ONE PAGE

\documentclass[10.99pt]{article}

\usepackage[margin = 0.75in]{geometry}

\usepackage{graphicx}

\usepackage{amsmath}

\usepackage{array}

\usepackage{enumitem}

\usepackage{wrapfig}

\usepackage{titlesec}

\usepackage[colorlinks=false]{hyperref}

\newcommand{\xfilll}[2][1ex]{

\dimen0=#2\advance\dimen0 by #1

\leaders\hrule height \dimen0 depth -#1\hfill}

\titleformat{\section}{\large\scshape\raggedright}{}{0em}{}

\renewcommand\labelitemi{\raisebox{0.4ex}{\tiny$\bullet$}}

\renewcommand{\labelitemii}{$\cdot$}

\pagenumbering{gobble}

\begin{document}

\vspace\*{15mm}

\vspace\*{-0.5cm}

\begin{itemize}[itemsep = -0.75 mm, leftmargin=\*]

\item Pursuing minor in {\bf Computer Science and Engineering}

\end{itemize}

\vspace{-0.5cm}

\section\*{{\LARGE Scholastic achievements}\xfilll[0pt]{0.5pt}}

\vspace{-7pt}

\begin{itemize}[itemsep = -0.75 mm, leftmargin=\*]

\item Secured {\bf All India Rank 34} in JEE (Advanced) '14 out of {\bf 150,000} candidates

\item Secured {\bf 99.99 percentile} in Mains B.Tech '14 out of {\bf 1.3 million} candidates

%\item Secured {\bf All India Rank 46} in Mains B.Arch '14 out of {\bf half a million} candidates

\item Shortlisted for the prestigious \textbf {KVPY '12} mentorship program at Indian Institute of Science, Bangalore

%\item Attained {\bf 56\textsuperscript{th} rank } in EAMCET '14 held by Government of Andhra Pradesh out of {\bf 2.82 lakh} candidates

%\item Achieved {\bf 30\textsuperscript{th} position} in South Indian Mathematics Olympiad '10 conducted by {\bf SIMO} Education

%\item Secured {\bf All India Rank 117} in Unified Cyber Olympiad '10 round-2 conducted by {\bf Unified Council}

%\item Secured {\bf a percentile score of 91.52} in National Cyber Olympiad '11 conducted by {\bf SOF}

%\item Secured {\bf a percentile score of 98.62} in National Science Olympiad '11 conducted by {\bf SOF}

\end{itemize}

\vspace{-14pt}

\section\*{\LARGE Projects\xfilll[0pt]{0.5pt}}

\vspace{-7pt}

\textbf{Data Acquisition and CAN protocol Subdivision, IIT Bombay Racing Team} \hfill{\sl \small (Aug '15 - Present)}\\

{\it Guide: Prof. Ramesh Singh, Mechanical Engineering Department, IIT Bombay}\hfill{}\\

IITB-Racing is a team of 70 students which designs and fabricates an electric race car for the Formula Student UK\\

\vspace{-18pt}

\begin{itemize}[itemsep = -0.75 mm, leftmargin=\*]

\item Responsible for designing and fabricating {\bf Data Acquisition System circuit} to analyze the motor controller data and the data from all the sensors mounted on the vehicle

%\item Assembled an LCD unit(Dashboard) and an {\bf XBEE wireless transmitter(868MHz)} to provide real time data to the driver and to the laptop of crew respectively

\item Established a wireless communication using {\bf XBEE wireless transmitter(868MHz)} between vehicle and laptop

%\item Real time status of the vehicle is shown on a {\bf GUI} from the data received through telemetry

\end{itemize}

%\vspace{-2pt}

\textbf{Isolated Digit Recognition} \hfill{\sl \small (May '16 - Jul '16)}\\

{\it Guide: Prof. Preeti Rao, Electrical Engineering Department, IIT Bombay}\hfill{}\\

Recognition of spoken digits(Zero to Nine) through Machine Learning in {\bf Scilab}\\

\vspace{-18pt}

\begin{itemize}[itemsep = -0.75 mm, leftmargin=\*]

\item Imitated human auditory response in closest way possible using {\bf Mel Frequency Cepstrum}

% \item Developed an efficient algorithm to separate utterances from the noisy signal in {\bf Scilab}

% \item Implemented {\bf k-means} clustering algorithm and trained the machine with the cluster centers

\item Achieved {\bf 85\%} accuracy in detection of the digits by training machine with {\bf k-means} cluster centers

\end{itemize}

%\vspace{-2pt}

\textbf{Reliability and Performance of Trap based NAND flash memories } \hfill{\sl \small (Jul '16 - Present)}\\

{\it Guide: Prof. Souvik Mahapatra, Electrical Engineering Department, IIT Bombay}\hfill{}\\

Improving {\bf Charge Trap Flash} memories to make them an ideal replacement for Floating Gate Flash memories\\

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\begin{itemize}[itemsep = -0.75 mm, leftmargin=\*]

\item Simulating various parameters like electric fields, potentials of CTF memory cell using C++

\item Studying effect of {\bf Silicon Nitride} composition on retention and Program-Erase cycle characteristics

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\textbf{Mobile-Arduino Flashlight communication} \hfill{\sl \small (Nov '15 - Feb '16)}\\

{\it Guide: Prof. Kumar Appaiah, Electrical Engineering Department, IIT Bombay}\hfill{}\\

Packetised communication between Arduino and mobile achieved through flashlight and a pair of IR LEDs\\

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\begin{itemize}[itemsep = -0.75 mm, leftmargin=\*]

\item Built an {\bf android app} which takes string input and encodes into bit strings for which flashlight blinks

\item Decoding is done by a pair of {\bf IR LEDs}, Arduino and a maximum transfer rate of {\bf 40 bits per second} is achieved

\end{itemize}

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\textbf{Projector Keyboard} \hfill{\sl \small (May '15 - Jun '15)}\\%itsp

{\it Institute Technical Summer Projects, IIT Bombay}\\

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\begin{itemize}[itemsep = -0.75 mm, leftmargin=\*]%change next line framing

\item Made a prototype of projector keyboard under {\bf INR 2000} using 2 web cameras and {\bf OpenCV}

% \item Developed the algorithm for {\bf touch detection} using suitable filters of skin colour

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\textbf{Class Representative} \hfill{\sl \small (Aug '15 - May '16)}\\ %CR

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\textbf{Coordinator, Team-Web} \hfill{\sl \small (May '15 - Dec '15)}\\%ecell

{\it Entrepreneurship Cell, IIT Bombay}\\

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\begin{itemize}[itemsep = -0.75 mm, leftmargin=\*]

\item Maintained the home page of Entrepreneurship Cell, IIT Bombay

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%\textbf{Computer Science and Engineering} \hfill{}\\

%Computer Graphics, Data Structures and Algorithms\*, Computer Programming and Utilisation , Computer Networks\\

%\textbf{Other courses} \hfill{}\\

%Calculus, Linear Algebra, Differential Equations, Quantum Physics and application, Psychology\*, Economics\\

%\* Courses to be completed by November 2016\\

%\vspace{-11pt}

\section\*{\LARGE Technical skills \xfilll[0pt]{0.5pt}}

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\begin{tabular}{p{3.5cm} p{13.5cm}}

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% \item Member of hostel sports contingents who participated in inter-hostel sports, IIT Bombay\hfill{\sl \small (Aug '15 - Feb '16)}

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\end{itemize}

\vspace{3pt}

\textbf{Projector Keyboard} \hfill{\sl \small (May '15 - Jun '15)}\\%itsp

{\it Institute Technical Summer Projects, IIT Bombay}\\

Prototype of projector keyboard made under {\bf INR 2000} using 2 web cameras and OpenCV\\

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\begin{itemize}[itemsep = -0.75 mm, leftmargin=\*]%change next line framing

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\item Developed an effective algorithm for locating the point touched

\item Selected for {\bf Tech and RnD Expo}, annual science exhibition at IIT Bombay

\end{itemize}

\textbf{Brick Breakers} \hfill{\sl \small (Mar '15 - May '15)}\\

{\it Course Project, Course: Computer Programming and Utilisation, IIT Bombay}\\

%{\it Course: Computer Programming and Utilisation}\\

\vspace{-17pt}

\begin{itemize}[itemsep = -0.75 mm, leftmargin=\*]

\item Built the popular brick-breakers game using {\bf OpenGL } in integration with {\bf SDL} in C++

\item Developed an effective algorithm for logic part which includes collision detection, bricks of variable strength

\item Devised an algorithm for graphics part which includes building of arena and loading of images

\end{itemize}

\vspace{-10pt}

\section\*{\LARGE Positions of responsibility\xfilll[0pt]{0.5pt}} %POR %POR

\vspace{-7pt}

\textbf{Class Representative} \hfill{\sl \small (Aug '15 - May '16)}\\ %CR

{\it B.Tech, Department of Electrical engineering, IIT Bombay}\\

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\begin{itemize}[itemsep = -0.75 mm, leftmargin=\*]

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\item Organized extra tutorials and help sessions for tough courses

\item Initiated the semester-end photoshoot for the batch of electrical engineering sophomores

\item Organized the department traditional day event which had the largest turnout ever

\end{itemize}

\textbf{Coordinator, Team-Web} \hfill{\sl \small (May '15 - Dec '15)}\\%ecell

{\it Entrepreneurship Cell, IIT Bombay}\\

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\begin{itemize}[itemsep = -0.75 mm, leftmargin=\*]

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\item Created user friendly task portals using HTML, CSS

\end{itemize}

\vspace{-10pt}

\section\*{\LARGE Key courses undertaken\xfilll[0pt]{0.5pt}}

\vspace{-7pt}

\textbf{Electrical Engineering} \hfill{}\\

Microprocessors\*, Communication Systems\*, Electromagnetic Waves\*, Probability and Random Processes\*, Analog Circuits, Digital Systems, Signals and System, Electrical Machines and Power Electronics, Electronic Devices and Circuits, Network theory, Advanced Network Analysis\\

\textbf{Computer Science and Engineering} \hfill{}\\

Computer Graphics\*, Data Structures and Algorithms, Computer Programming and Utilisation , Computer Networks\\

\textbf{Other courses} \hfill{}\\

Calculus, Complex Analysis, Linear Algebra, Differential Equations, Quantum Physics and application, Electricity and Magnetism, Psychology\*, Economics, Physical Chemistry, Organic and Inorganic Chemistry, Biology\\

\hspace\*{120mm}{\sl \* {Courses to be completed by Nov' 16}}\\

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\item Represented hostel 8 in {\bf Logic General Championship}, IIT Bombay\hfill{\sl \small (Oct '15)}

\item Member of hostel sports contingents who participated in inter-hostel sports, IIT Bombay\hfill{\sl \small (Aug '15 - Feb '16)}

\item Completed a 2 month course on {\bf Athletics} from Summer School of Sports, IIT Bombay\hfill{\sl \small (May '15 - Jul '15)}

\item Completed a 1 year course on badminton from {\bf National Sports Organization}, IIT Bombay\hfill{\sl \small (Jul '14 - Apr '15)}

\end{itemize}

\vspace{-10pt}

\section\*{\LARGE Other interests\xfilll[0pt]{0.5pt}}%interests

\vspace{-7pt}

\begin{itemize}[itemsep = -0.75 mm, leftmargin=\*]

\item Coding and Technical activities

\item Guitar, Photography, Sketching, Dance

\end{itemize}

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NON TECH RESUME

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\section\*{\LARGE Positions of responsibility\xfilll[0pt]{0.5pt}} %POR %POR

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\textbf{Class Representative} \hfill{\sl \small (Aug '15 - May '16)}\\ %CR

{\it B.Tech, Department of Electrical engineering, IIT Bombay}\\

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\begin{itemize}[itemsep = -0.75 mm, leftmargin=\*]

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\textbf{Junior Design Engineer, Electrical Subdivision} \hfill{\sl \small (Aug '15 - Jul '16)}\\

{\it IIT Bombay Racing Team}\hfill{}\\

\vspace{-17pt}

\begin{itemize}[itemsep = -0.75 mm, leftmargin=\*]

\item Part of a team of 70 members which designs and fabricates an electric race car for {\bf Formula student UK} event

\item Responsible for designing and fabricating {\bf Data Acquisition System circuit} and implementing {\bf CAN protocol}

\item Assembled an LCD display unit (DASH) to provide real time data to the driver

\item Established a wireless communication using {\bf XBEE wireless transmitter(868MHz)} between vehicle and laptop

\end{itemize}

\textbf{Coordinator, Team-Web} \hfill{\sl \small (Jun '15 - Dec '15)}\\%ecell

{\it Entrepreneurship Cell, IIT Bombay}\\

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\begin{itemize}[itemsep = -0.75 mm, leftmargin=\*]

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\item Created user friendly task portals using HTML, CSS

\end{itemize}

\textbf{Organizer, Lectures} \hfill{\sl \small (Jan '15)}\\%ecell

{\it Techfest, IIT Bombay}\\

\vspace{-17pt}

\begin{itemize}[itemsep = -0.75 mm, leftmargin=\*]

\item Assisted in organising other lectures which were given by Late Ex-President of India {\bf Dr.APJ Abdul Kalam}, Nobel Laureate {\bf Dr.Ada Yonath}, Inventor of C++ {\bf Bjarne Stroustrup}

\item Responsible for the smooth execution of lectures at Convocation Hall, IIT Bombay

\end{itemize}

\textbf{Organizer, Informals} \hfill{\sl \small (Dec '14)}\\%ecell

{\it Mood Indigo, IIT Bombay}\\

\vspace{-17pt}

\begin{itemize}[itemsep = -0.75 mm, leftmargin=\*]

\item Worked with a team of 20 members which organizes the events like informal games, literature games

\end{itemize}

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\section\*{\LARGE Projects\xfilll[0pt]{0.5pt}}

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\vspace{-7pt}

\begin{itemize}[itemsep = -0.75 mm, leftmargin=\*]

\item Participated in wireless {\bf RF module} car building competition XLR8, IIT Bombay\hfill{\sl \small (Aug '14)}

\item Represented hostel 8 in {\bf Logic General Championship}, IIT Bombay\hfill{\sl \small (Oct '15)}

\item Member of hostel sports contingents who participated in inter-hostel sports, IIT Bombay\hfill{\sl \small (Aug '15 - Feb '16)}

\item Completed a 2 month course on {\bf Athletics} from Summer School of Sports, IIT Bombay\hfill{\sl \small (May '15 - Jul '15)}

\item Completed a 1 year course on badminton from {\bf National Sports Organization}, IIT Bombay\hfill{\sl \small (Jul '14 - Apr '15)}

\end{itemize}

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\section\*{\LARGE Other interests\xfilll[0pt]{0.5pt}}%interests

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\begin{itemize}[itemsep = -0.75 mm, leftmargin=\*]

\item Coding and Technical activities

\item Guitar, Photography, Sketching, Dance

\end{itemize}

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