Pramod B S

Personal Data

DOB:	10th March 1997
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Work Experience

May-July 2017 — Research Intern at Applied Cognitive Science(ACS) Lab , IIT Mandi in *AI and software development*

Worked on the development of a submarine warfare game for IVD, VR platforms for a *DRDO* project. I also developed an Android application to alert the users staying close to landslide prone areas if there is a landslide prediction for a *HPSCSTE, HP Govt.* project.

Education

Current — B.Tech in Computer Science and Engineering, **NITK**, Surathkal *(2019 batch)*
CGPA: 8.92/10

May 2015 — Pre-University in Science, **Sarvodaya PU College**, Tumkur
Percentage: 96.83

May 2013 — Matriculation from **Kendriya Vidyalaya**, Tumkur
CGPA: 10/10

Achievements and Certificates

Current — NTSE National Level Scholarship, NCERT

Cleared *NTSE* National level examination in the year 2013

November 2016 — Completed Applied CS with Android course by GOOGLE, NITK Surathkal

I was one among the 50 students selected for this course. I completed all the assignments which were a part of the course such as 8-Puzzle, Scarne's Die game and Ghost word game.

October 2016 — Secured 1st position in Marathon at ENGINEER 2016, NITK Surathkal

Our team won the Marathon competition conducted during ENGINEER

May 2015 — Secured 9th rank in KCET 2015, Engineering Stream

July 2013 — CBSE Certificate of Merit

For being among the top 0.1 percentage students in Central Board of Secondary Education – 2013 AISSE Examination.

January 2013 — Participation certificate at KVS National Science Exhibition 2013, Kolkata

Secured 2nd position in State level KVS Science exhibition for my working model Automatic Vertical lift bridge and was selected for the National level exhibition.

Skills and Interests

Languages:	C, C++, C-Sharp, Java, Python, HTML, CSS, SQL, JavaScript, Android, Unity 3-D, FireBase, MATLAB, MIPS, VHDL.
Interests:	Competitive Programming, Machine Learning, Game Theory, Data Science, Cryptography, Android Application Development, Game Development

Projects

July 2017 — Landslide Proximity Alert Android Application : ACS Lab, IIT Mandi : *Android*

Developed an android application which uses the probabilities of landslides at certain locations (where weather-stations are setup) in a 200km*200km grid 10km apart from each other to alert users within a radius of 1 km from the landslide prone areas to relocate to safer areas (using Google Places API).

June 2017 — OpenCV-Python Face Recognition Application using MySQL Database : Self-Project : *OpenCV, Python*

May-June 2017 — Submarine Warfare Game for IVD,VR paradigms : ACS Lab, IIT Mandi : *AI, Unity, Google Cardboard VR*

Designed a submarine warfare game with AI governing the enemy behaviour. The game consisted of two versions with manned and unmanned player submarines respectively, each with five levels of difficulty. Significant data collected from the game (including EEG data and NASA-TLX survey) was used to model the decision making of the player under different circumstances.

March 2017 — Process Scheduling Simulator in OS Simulator : NITK : *Android, Tkinter(Python)*

Designed an application that schedules various processes according to the chosen scheduling algorithm, displays the best algorithm for the given processes and generates the Gantt chart for both Android and Windows platforms.

March 2017 — Course Registration Android Application : Self-Project : *Android, Firebase*

Designed an Android application using Firebase authentication and database for hassle-free online course registration in colleges.

March 2017 — Smart Comparator Android Application : Self-Project : *Android*

Designed an Android application to compare the prices of various services that can be availed online such as e-shopping and bus/flight ticket prices.

January 2017 — SkyRoads 3-D Game : NITK : *Unity*

Designed a 3-D game similar to the classical game SkyRoads for MS Windows in Microsoft's code.fun.do hackathon.

November 2016 — Priority Based Secure File Access System : NITK : *Digital Electronics*

November 2013 — Automatic Vertical Lift Bridge : KV, Tumkur : *Electronics*

Extra Curricular Activities

Executive member of Institution of Engineers (IE), NITK
Former member of NGO Avanti, NITK chapter
Reading, Mentoring, Technology, Programming, History, Political Science
Table-Tennis, Badminton, Football, Travelling