

VATSAL KANAKIYA

Github · *vazzup* ◇ Codechef · *vazzup* ◇ LinkedIn · */in/vazzup*

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EDUCATION

K. J. Somaiya College of Engineering, Mumbai

August 2014 - Current

B.Tech. in Computer Engineering

EXPERIENCE

Morgan Stanley

May 2017 - July 2017

Summer Technology Intern

Mumbai

- Worked on optimizing performance of internal tools written in C#
- Implemented a unique algorithm to store and retrieve hierarchical data to and from a relational database.

L.V. Prasad Eye Institute

May 2016 - July 2016

Summer Research Fellow

Hyderabad

- Worked on software and hardware aspects of the Pediatric Perimeter (*Refer Projects*).
- Learnt and implemented certain Image Processing and Machine Learning algorithms to achieve Gaze Tracking

EXTRACURRICULAR ACTIVITIES

Committee Head, KJSCE Codec cell

July 2016 - May 2015

Head of a team of 11 working to improve and promote participation in ACM ICPC and GSoC by conducting relevant workshops and seminars for fellow students

PROJECTS

Automated Gait Generation for Simulated Machines

July 2017 - Current

L.Y. Project to generate gait for simulated machines using Self Modelling and Neural Networks

Pediatric Perimeter

May - July 2016

A first of its kind device to measure the visual fields of infants, detect defects & provide preventive medical help

Controllers Workbench

May - July 2017

A desktop application to visualize, modify and analyse financial data which can handle hierarchical data of the magnitude of 10^8 rows and 400 columns.

COMPETITIONS

DJSCE Code Unicode

March 2016

Mumbai

3rd/170 participants

ACM ICPC Regionals

December 2016

Chennai

73rd/867 teams

ACM ICPC Regionals

December 2016

Amritapuri

219th/1981 teams

ACM ICPC Regionals

December 2015

Amritapuri

228th/1572 teams

TECHNICAL STRENGTHS

Computer Languages	C/C++, Java, Python3, C#, Javascript
Protocols & APIs	XML, JSON, SOAP, REST
Databases	MySQL, PostgreSQL, Microsoft SQL, Redis
Frameworks	Angular, Django
AI Frameworks	Tensorflow, Keras
Tools	Linux, Git, Vim, Make, CMake, IntelliJ Idea, Android Studio <i>etc.</i>