

J Mohit Reddy

• mohitreddy.me • mohitreddy1996@gmail.com • +91 9482638521 • #D313, Mega Tower 2, NITK, Mangalore, India

EDUCATION

National Institute of Technology, Karnataka, Surathkal, Mangalore, India.

- B.Tech in Computer Science and Engineering, Junior Year
- CGPA of **8.85/10.0** (July 2016)

Jul 2014 – May 2018

High School - **Kendriya Vidyalaya Hebbal**, Bangalore, India (CBSE) - **96.00%**

Secondary School - **Kendriya Vidyalaya Hebbal**, Bangalore, India (CBSE) - **10.0/10.0**

EXPERIENCE

Software Engineering Intern, **BigClozet**, Bangalore, India.

May 2016 – Jul 2016

- Developed multithreaded crawlers in Python to extract data from different E-Commerce websites. Integrated Apache Kafka in Python and JAVA for further data processing. Integrated Grafana with crawlers for metrics and statistics. Around 1 Million new items fetched.
- Developed a Webservice using Node.js, Express, MongoDB and JAVA to fetch live prices of an item.
- Developed REST APIs supporting different functionalities using Node.js, Express and MongoDB.
- Developed Webview and notification service for Android Application.

TECHNICAL SKILLS

Languages/Markup and Scripts - C, C++, JAVA, Python, JavaScript, HTML, CSS, AngularJS, Node.js.

DBMS - SQL, MongoDB.

Tools/Frameworks - Webstorm, Android Studio, Git, STL, \LaTeX , OpenGL, Django, MEAN.

RELEVANT COURSES

Data Structures and Algorithms, Design and Analysis of Algorithms, Operating System, Automata Theory, Software Engineering, Computer Organisation and Architecture, Data Communication.

SELECTED PROJECTS

All Projects available on Git - <https://github.com/mohitreddy1996>

- **Face Detection Bot** - Built and Programmed a Raspberry pi 2 bot to follow human face using OpenCV2(Python) face detection algorithms. Bot successfully detected faces tilted at different angles and motors were triggered depending on the movement of the face.
- **SimpleDB** - Implemented core modules of a Relational Database Management System using JAVA, capable of handling storing and accessing data from disk, table modifications (Select, Join, Aggregates), Query Optimizer, Query Cost Calculator and locking-based transaction system.
- **Bingo Web App** - Developed a multiplayer **Bingo** Web Application using Node.js, Express and MongoDB. User can play with a bot programmed in the backend or with another user looking for a match.
- **Song Genre Classifier (On Going)** - Developed a classifier capable of classifying songs into 5 major Genres. Machine Learning Algorithms(CART, Neural Networks, K-nearest neighbours) trained using timbral, spectral and rhythmic features extracted from data set using Python.
- **PingPongGame** - Developed a 2 Player 2D PingPong game using OpenGL module in C++. Collisions with the walls and racquets at different angles implemented. Scores updated after a player wins a point.
- **Group Chat Application** - Developed an IRC like Chatroom Application using JAVA. Chatrooms can be created and messages can be fetched.
- **Subtitle Downloader** - Developed an Application using Python and subDB API to download the synchronised subtitles for a movie.
- **Just Park It** - Parking assist Android application using Ionic framework using AngularJS and HTML.
- **Personal Website (On Going)** - Personal Website using django, HTML, CSS.

ACHIEVEMENTS AND AWARDS

- **Expert(Blue)** Rated on Codeforces. Ratings-**1629 (Max: 1629)**
- Ranked **188(318)** in India(Global) in Lunchtime(All) Ratings on Codechef.
- Ranked **47** out of **415** teams in ACM ICPC Kolkata Online Round.
- Runner Up at **Hackathon** Conducted by GopherCon India in Go Programming Language.
- Ranked **12** in India in IEEEExtreme 9.0.
- Awarded CBSE Merit Certificate for being among **top 0.1%** in the subject of Mathematics in XII.

EXTRA CURRICULAR ACTIVITIES

- **Executive Member** at IEEE NITK Student Branch.
- **Online Programming Contests Organizer** at Web Enthusiast's Club NITK.
- Active on online competitive programming websites Codechef, Codeforces, Spoj, Hackerrank, Hackerearth, Topcoder
- Represented school in Cricket and Basketball competitions.
- Know more about me : mohitreddy.me.