

SANDEEP N MENON

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<https://github.com/gitmenonsandu>

EDUCATION

- Bachelor of Technology COMPUTER SCIENCE, [National Institute of Technology Karnataka](#) Surathkal, expected graduation 2018
GPA: 8.84/10
- Undergraduate Degree in SCIENCE, [Kendriya Vidyalaya Kottayam, Kerala](#)
2nd in school, SCORE: 485/500 (97.00 %) , Centum in Mathematics

RELEVANT COURSE SUBJECTS

Completed: Data Structures and Algorithms, Theory of Computation, Computer Architecture and Organisation, Concrete Mathematics, Design and Analysis of Algorithms, Discrete Mathematics, Operating Systems, Software Engineering

Ongoing: Database Management and System, Computer Networks, Unix Networks, Information Systems

EXPERIENCE

Software Engineering Intern at RevoluCian LLP :

- **Shopping Assistant Bot** : Converts natural language to MySQL queries. Built using Microsoft Bot Builder Libraries, Language Understanding Intelligence Service (LUIS) API , Google Maps API , MYSQL .NET Connector Libraries. Database hosted in IBM Bluemix and bot deployed in Microsoft Azure.
- **Invoice Generation and Inventory Management Software:** User friendly inventory management interface which allows generation of invoice. Built on JavaFX and FXML platform. Uses JDBC for MYSQL database connection. Global database is in IBM BlueMix server.

PROJECTS

All projects available on : [GitHub](#)

- **Movie Rating Retriever** : Retrieves IMDB rating of all movies in a folder from movie rating APIs using HTTP requests. Built in JavaFX and FXML platform.
- **Chess Game:** A GUI based Chess game in JAVA for two players. that implements major OOP Concepts. Possible moves determined using backtracking and Greedy Approach.
- **Completely Fair Scheduler Algorithm using AVL and Red Black Trees** : C++ implementation of Completely Fair Scheduler process scheduling algorithm using AVL trees and Red Black trees. Aims at comparing the time taken for scheduling by using the two different self balancing data structures.
- **JustParkIt** : Android application built in Ionic Framework using Angular JS and HTML. Finds path from current location to different set parking spots using google maps API.

ACHIEVEMENTS AND ACTIVITIES

- 12th in India in IEEEExtreme 9.0 Programming Competition
- Ranked 47 in ACM-ICPC Kolkata First Round Online Contest 2015 out of 415 teams
- **Executive Member** at IEEE NITK Student Branch
- 899th Rank in All India Joint Entrance Examination (**State rank 18**)
- Listed in **top 0.1%** in CBSE Mathematics Board Exams
- Represented State for National Level Chess Tournament.

TECHNICAL SKILLS

Languages: C, C++, C#, PYTHON, JAVA, mysql, HTML, CSS
Platforms & tools: Microsoft Azure, IBM Bluemix, Visual Studio, NetBeans, Android Studio, STL, MYSQL, Git, \LaTeX