Akshat Raj Baranwal

http:// arb.codes

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EDUCATION

MIT WPU
B.Tech in Electronics and Communications Engineering
Expected Jun 2022 | Pune, India
Cum. GPA: 9.39/10.00

SUNBEAM LAHARTARA
XIIth Standard, CBSE
May 2017| Varanasi, India
Percentage: 76.00/100.00

LINKS

Website:// **arb.codes**
LinkedIn:// **akshatrb**
Github:// **akshatrb**
Codechef:// **monasax**

SKILLS

PROGRAMMING
- C++
- HTML • CSS • JS
- Embedded C
- Python
- Latex
- Matlab

TOOLS & OS
- AWS
- Git
- Linux/Unix
- Windows

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Object Oriented Programming
Fuzzy Logic and Graph Theory
Operating Systems
Computer Networks
Maths for Artificial Intelligence
System Programming

ACHIEVEMENTS

- Global Rank - 3052 in CodeChef April Cook-Off 2021
- Completed Hacktoberfest 2020
- Scored perfect 10.00 in the 4th Sem

PROFESSIONAL EXPERIENCE

LIGHT INFORMATION SYSTEMS | SDE Intern (03/2021 - Present)
- Working on Light's state of art V3 engine for making chatbots.
- Implemented an Employee Engagement chatbot. Fixed bugs in logic.
- Helped in curating a user-manual for company clients. Currently working on Data QC in one of the projects. [Link]

PROJECTS

CONFIGURED AN AWS WEB SERVER TO HOST A WEB MICROSERVICE
- Set up an AWS EC2 webserver and configured different services by Virtual Hosting. Currently serving two websites from the web server.
- Created a short application(Clevernote) and used it as a primary project. Uploaded it over github and pulled the master branch to my server.
- Configured DNS and mapped it with the web server through Elastic IP.
- Tech involved include AWS EC2 Ubuntu image, Elastic IP load balancer, Virtual Hosting through ApacheV2, Confd Configuration, Version Control, DNS Config and full stack for our microservice [Live1] [Live2]

CLEVERNOTE
- An online note taking application that's a mix of Notion & Evernote.
- Simple CRUD operation has been implemented which includes new note, archive, delete, restore and dark mode.
- Application is live on AWS EC2 instance and cloud storage using MongoDB Atlas. Tech stack used is MERN. [Live] [Source]

LOAN PREDICTION - A BINARY CLASSIFICATION MODEL
- Applied machine learning algorithms on the dataset to predict the output (Loan Status).
- Performed Pre-Processing steps, explored analysis methods and tools and showcased the output using various techniques. [Source]

TWITTER SENTIMENT ANALYSIS
- Implemented a SA methodology where tweets of a public user are fetched via tweepy from twitter's api v1.1.
- Performed preprocessing steps, calculated subjectivity and polarity. Used these scores to perform a comparative analysis. [Source]

COVID-19 NOTIFICATION SCRIPT
- To counter the OCD of checking updates of COVID cases & deaths, I created this python script that scrapes data from MOHFW website.
- It notifies the user about the number of active cases, deaths, etc via a Windows notification at interval. [Source]

POSITIONS HELD

- Training and Placement Coordinator, School of ECE, MITWPU Pune.