

# Akshat Raj Baranwal

[http:// arb.codes](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

XII<sup>TH</sup> STANDARD, CBSE  
May 2017 | Varanasi, India  
Percentage: 76.00/100.00

## LINKS

Website:// [arb.codes](http://arb.codes)

LinkedIn:// [akshatrb](#)

Github:// [akshatrb](#)

Codechef:// [monasax](#)

## SKILLS

### PROGRAMMING

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

### TOOLS & OS

- AWS
- Git
- Apache2
- cPanel • SSL
- Linux/Unix
- Windows

## ACHIEVEMENTS

- Global Rank - 1938 in CodeChef May Challenge 2021
- Completed Hacktoberfest 2020
- Scored perfect 10.00 in the 4th Sem

## COURSEWORK

### UNDERGRADUATE

Data Structures and Algorithms  
Object Oriented Programming  
Computer Networks  
Operating Systems  
System Programming  
Fuzzy Logic and Graph Theory

## PROFESSIONAL EXPERIENCE

### LIGHT INFOSYS, PUNE | SDE Intern (03/2021 - 05/2021)

- Worked 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. Worked on Data QC & automation 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.