Soham Datta

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EDUCATION

VIT Bhopal University   Bhopal
Bachelor of Technology in Computer Science and Engineering   *Oct. 2022 – May 2026*

EXPERIENCE

Emotion Recognition

VIT Bhopal University   *Bhopal*

- Benchmarked the previous emotion recogniton machine learning models(research papers) and tweaked and fine tuned to make it better
- Used Random Forest, KNN, CNN Algorithm and benchmarked by applying each of them with the FER2013 datasets with 7 different emotion patterns
- Presented the report on-campus

PROJECTS

Python-Bot | *Python*

- ∗ Developed a python script to scrape the top 100 S&P stock data and check the suitability of the stock to buy
- ∗ Used beautifulSoup to scrape the data and turn it into a csv format
- ∗ It's only a CLI tool that generates a spreadsheet output by writing it to a file

ColabCoder | *JavaScript, Node.Js, React Framework, Vercel(to host)*

- ∗ Developed a web server with node.js to do real time collaborations on a web text editor
- ∗ Used socket.io library to make real time connections and use express.js as the http library
- ∗ Hosted the frontend or the website on Vercel
- ∗ Used vm module to sandbox and execute javascript code and output to the editor

RSS Feed Collector | *Go, Postgres(SQL)*

- ∗ Developed a REST Api in Go to handle and make users help them show their favourite rss feeds to them on their accounts
- ∗ Used PostgresSQL database to store the users, and their rss feeds
- ∗ Used sqlc module to generate the go code for the database model and schema generation
- ∗ Made use of concurrent programming (goroutines) to collect the rss feeds and notify the users

TECHNICAL SKILLS

Languages: JavaScript & Typescript, Go, C, C++, Python, SQL (Postgres)
Frameworks: React, Node.js, WordPress, Material-UI,
Developer Tools: Git, Docker, Postman, Google Cloud Platform,
Libraries: buffIo, express, gin, chi