PANSHUL JINDAL

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EDUCATION

Vellore Institute of Technology, Vellore *(CGPA: 9.18/10)*   *July 2019 – April 2023*
Bachelor of Technology – *Computer Science Engineering*
Relevant Coursework: JAVA, DBMS, DSA, OOPS, OS, Compiler Design, Information Security, Microprocessor, Calculus

WORK EXPERIENCE

Apple Developers Group, VIT-Vellore, Technical Head   *January 2022 – January 2023*
- Mentored and developed projects under the Android and iOS domain to ensure seamless operations within the club
- Developed apps to solve academic and club-related problems like PaperVIT, ADG-Connect, CourseDB, TapVIT etc.

Student Welfare Office - VIT Vellore, Software Developer   *March 2022 – September 2022*
- Modelled android & iOS app-based solution to guide students around the campus backed by Nodejs **12K+ downloads**
- Publishing applications on the play store, deploying virtual machine servers and managing the version control system

Vritrahan Technology, Android App Development Intern   *April 2021 – June 2021*
- Designing and developing android application prototypes to demonstrate the product's working to the customer & user
- Consults on coding, UI/UX issues and aids in removing issues from application code for a functional end product

RESEARCH WORK

Sentiment Analysis Using Voting Classification and Neural Networks   *August 2022 – October 2022*
- Implemented sentiment analysis with ML classification algorithms like Naïve Bayes, Random Forest, Neural Network
- Determined an accuracy of 77.78% and precision of 78.89% using a voting classifier over a dataset of 140,000 entries

Total Revenue Prediction of Grook Using Machine Learning Models   *July 2022 – October 2022*
Published In: IEEE Conference - 13th ICCCNT 2022 (Second Author)
- Predicted total revenue generated by grounds using various regression and classification machine learning algorithms
- Concluded an $R2$ score of 0.975 & RMSE value of 91.6 after testing the voting model on multiple polynomial degrees

PROJECTS

Smokie- Smoke Detection System   *June 2022 – September 2022*
- Developed a smoke detection system using NodeMCU ESP8266 module, MQ2 sensor, LED and firebase backend
- Implemented a user-friendly android application to check the smoke level and call emergency services in case of fire

HealthcareSaviour   *July 2021 – December 2021*
- Developed a technical solution for healthcare-related issues using PassportJS for authentication & ExpressJS for server
- Created a video conferencing portal using WebRTC for doctor-patient interaction without any physical contact

Evo-Events App   *April 2021 – November 2021*
- Designed an app which connects students and clubs via events happening on the campus & up to date listing of events
- Programmed a react portal for clubs to post new events, view statistics and set up their club profile for the application

PortScanner   *August 2021 – November 2021*
- Constructed a web-based tool to probe a server or host for open ports using multithreading to reduce execution time
- Devised a website that scans a given range for live IP addresses & fetches all available DNS records for a hostname

EXTRA – CURRICULAR ACTIVITIES

Mathathon – Qualified till the final round by developing a formula for BMI calculation using applied mathematics
Clubs and Chapters – Member of Sigma XI design team, managing events on campus for VIT-Spartans and ADG-VIT
Social Initiative – Distributed food & drinks to frontline workers; Donated clothes and blankets to homeless people in winters

PROGRAMMING SKILLS

Languages – JAVA, Python, NodeJS, HTML, CSS, Javascript, PHP, SQL, C/C++, R, MATLAB, CUDA, GIT, Arduino
Frameworks - Android & iOS App Development, Ajax, JQuery, EJS, MongoDB, Firebase, Socket Programming, OpenMP