Khushi Sethi

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EDUCATION

Vellore Institute of Technology (VIT)– Vellore, Tamil Nadu **September 2022-2026(Present)**
Bachelor of Technology in Information Technology Cumulative GPA: 8.82/10

Macro Vision Academy (MVA)– Burhanpur, Madhya Pradesh **March 2020-2022(HSC)**
Percentage:88.8%

TECHNICAL SKILLS

- Python (Advanced), Java (Intermediate), JavaScript (Intermediate), C++ (Intermediate),Oops
- Visual Studio Code, IntelliJ IDEA, Git, ModelSim
- React.js, Node.js, Django, TensorFlow, Pandas, Scikit-learn
- MySQL, PostgreSQL, MongoDB
- Windows, Linux (Ubuntu, CentOS)
- HTML, CSS, JavaScript, REST APIs, ajax, AngularJS
- Familiar with Machine Learning, Data Analysis

RELEVANT COURSEWORK

Electrical and Electronics: Database Systems, Digital Logic and Microprocessors, Structured and Object-Oriented programming, Data Structures and Algorithms, Principle of Communication System, Discrete Mathematics and Graph Theory, Computer Architecture and Organization, Web Technologies, Software Engineering
Math: Multivariable Calculus, Vector Calculus, Differential Equations, Statistics and Probability

PROJECTS

Wrist Band to detect postural tremor in Parkinson's Disease| Research paper| Team OAK **Ongoing**
Developing a wrist band using deep neural networks and machine learning to detect and analyze various stages of Parkinson's Disease (PD), enabling early intervention and monitoring of disease.

Multimodal quantification of postural tremor in Parkinson's Disease| Research paper| Team OAK, VIT **April 2024**
Utilized deep neural networks and machine learning to classify the stages of Parkinson's Disease. Integrated various research methodologies to identify and publish the most accurate model to date for PD classification

Eduletic | Website | Bolt2.0 Hackathon, VIT **Feb 2024**
Developed a website as part of the Bolt2.0 Hackathon at VIT, merging education with athletics. Formed a team and utilized various frontend and backend technologies to create an engaging platform that integrates learning with sports activities.

SpamShield| Machine learning| Hackathon, VIT **March 2024**
Designed to detect and filter spam emails with high accuracy. Utilized natural language processing and various machine learning algorithms to classify and block unwanted emails, improving email security and user experience.

BookBazar| Website| Yantra Hackathon, VIT **Nov 2023**
Created an online marketplace for buying and selling books, leveraging modern web development technologies. Implemented a responsive frontend using React.js and a robust backend with Node.js and Express, integrating a MongoDB database for efficient data management.

LEADERSHIP & VOLUNTEER EXPERIENCE

Volunteer | Rivera' 2024 | VIT, Vellore **March 2024**
• Contributed as a volunteer during the cultural festival of Vellore Institute of Technology (VIT), providing support to ensure the smooth execution of various events and activities

Volunteer| Roboescape 2.0 | VIT, Vellore **September 2023**
• Planned and helped in execution of an event under IEEE
• -RAS for Gravitas'23, esteemed technical fest of VIT

Volunteer | AIESEC | VIT, Vellore **(January-june) 2023**
Volunteered with AIESEC at VIT, leading and managing outgoing exchange programs.
• Facilitated international internships and volunteer opportunities, enhancing cross-cultural experiences and global leadership skills for participants.

ACHIEVEMENTS & ACTIVITIES

Samardh Team Member, VIT   **November 2024- Present**
- Contributed to the rocket construction team by managing the website and overseeing database operations.
- Ensured seamless web functionality and effective data management to support the team's engineering and project documentation efforts.

IEEE-CS Member, VIT   **November 2023- Present**
- Collaborated with peers to stay updated with emerging trends and technologies in the field of computer science.
- Contributed insights and ideas to foster a vibrant learning community within the organization.

LEO Club member   **February 2024-Present**
- As a member of the Leo Club, a non-governmental organization, participated in various community outreach programs and initiatives aimed at addressing social issues and making a positive impact on the local community.

Clash of Bug2.0 (Runner-Up), VIT   **September 2023**
- Demonstrated proficiency in Python and C programming languages to effectively identify and solve bugs within provided code snippets.