

Pratik Kumar

910-978-7343 | [Pratik-Portfolio](#) | linkedin.com/in/pratik | github.com/prateeeek7

EDUCATION

Vellore Institute Of Technology

Bachelors Of Technology, Eleetronics and Communication

Vellore, TN

Aug. 2024 – 2028

Bal Bharati School

Higher Seconday Education

Bhopal, MP

May. 2021 – May 2022

EXPERIENCE

UI/UX Intern

Jurident

March 2025 – Present

VIT Incubated, TN

- Developed a user interface of healthcare app using Figma to manage health records.
- Developed a full-stack web application using Flask, React, PostgreSQL and Docker to analyze GitHub data
- Explored ways to visualize GitHub collaboration in a classroom setting

Junior Design Head

Computer Society Of India - club

April. 2025 – Present

VIT, Vellore

- Leading a team of 10+ members to design posters, brochures, and other materials for events
- Organized workshops on Figma and Canva for students to enhance their design skills
- Collaborated with other clubs to create cohesive branding for events
- Managed social media accounts to promote club activities and events

Artificial Intelligence Research

Udemy Online

May 2025 – July 2025

Georgetown, TX

- Explored methods to generate video game dungeons based off of *The Legend of Zelda*
- Developed a game in Java to test the generated dungeons
- Contributed 50K+ lines of code to an established codebase via Git
- Conducted a human subject study to determine which video game dungeon generation technique is enjoyable
- Wrote an 8-page paper and gave multiple presentations on-campus
- Presented virtually to the World Conference on Computational Intelligence

PROJECTS

Hand-Gesture Calci | *Python, OpenCV, Numpy, Matplotlib*

June 2025

- Developed a hand-gesture calculator using OpenCV and Numpy to perform basic arithmetic operations
- Implemented a real-time hand detection algorithm to recognize gestures for numbers and operations
- Visualized the results using Matplotlib to display the calculated output
- Created a user-friendly interface to interact with the calculator using hand gestures

Swasthify | *React, API, Node.js, MongoDB, Git*

Oct 2024 – Present

- Developed a full-stack web application to manage health records using React, Node.js, and MongoDB
- Implemented user authentication and authorization to secure sensitive health data
- Designed a responsive user interface with Material-UI for an intuitive user experience
- Utilized Git for version control and collaboration with team members

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R

Frameworks: React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI

Developer Tools: Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: pandas, NumPy, Matplotlib