# Shantanu Pandey 2

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Linkedin [2]

Github [2]

Leetcode [2]

# Education

Ramaiah Institute of Technology, Bengaluru

B.E. - Computer Science and Engineering - CGPA - 8.52

Kendriya Vidyalaya DRDO, Bengaluru

Upper Secondary Graduation - Percentage - 93.0

# **Projects**

#### Awaaz-AI | MERN, Google Cloud Services | IDE - VS Code, Postman [7]

2024

- Developed a chatbot platform offering legal and trauma support tailored for potentially 81% of women who have experienced harassment or trauma. Key features include:
- Fine-tuned trauma support chatbot, trained on 3,000+ cases across 100 epochs using an 8-layer Gemini model.
- Social media functionality: Reddit-style upvotes, downvotes, and anonymous post sharing for users to connect and share experiences.
- Robust authentication: JWT and berypt ensure secure login and session handling, improving authentication security by up to 90%.

# Online-Clipboard | MERN | IDE - VS Code

2024

- Developed an online clipboard application using the MERN stack, allowing users to manage and retrieve text snippets
  efficiently.
- Enabled text snippet uploads via a textbox, with storage and retrieval powered by MongoDB.
- Generate access codes for easy retrieval and sharing of uploaded text, reducing search time by 25% and error rate by 20%.
- Added single-click copy-to-clipboard functionality for immediate text access and sharing, saving up to 50% of time...

#### Resume-Maker | HTML, CSS, JS, React | IDE - VS Code [7]

2024

- Built a Resume-Making website using React, handling dynamic inputs for generating accurate and formatted resumes.
- Automated dynamic template generation using CSS and @react-pdf/renderer, providing instant downloadable PDFs for user resumes.
- Optimized the resume creation workflow, decreasing time spent by users from 2 hours to 10 minutes (90% improvement).

#### Gesture-Controlled-Drone | YOLOv8, ROS, Python | IDE - VS Code, OS - Ubuntu 16.0 🖸

2025

- Built a Gesture-Controlled Drone
- Trained on 3,000+ image dataset using YOLO v8
- Achieved accuracy of upto 98%
- Used Robot Operating system (ROS) that communicates over TCP and UDP.

# **Skills**

Programming Languages: C++ (DSA), Java, Python, JavaScript

Full Stack: HTML5, CSS3, Tailwind CSS, JavaScript, Node.js, EJS, React.js, PostgreSQL, MongoDB, Express.js, JSON, XML, CSV, REST APIs

**Developer Tools**: VS Code, Git, GitHub, Postman, Vercel, Render, AWS, Azure, GCP, Adobe Lightroom, Canva, Wireshark, 92 WPM

Other Technical Skills: DBMS, Cloud Technologies, Communication Networks, OSI, TCP/IP, SSL, SSH, UDP, Linux, Machine Learning, Artificial Intelligence, Tensorflow, PyTorch

**Soft/Non-Technical Skills**: - Sales, Public Speaking, Quick Learner, Leader, Disciplined, Empathy, Team Collaboration, Time Management, Communication, Basketball

# **Work Experience**

#### Samsung (https://research.samsung.com/sri-b)

Oct. 2024 - Present

Bengaluru, In.

Research Intern

- Working with Samsung R&D Institute India-Bangalore under Samsung PRISM program.
- Project user base over 62 million.

#### Drona Aviation (https://www.dronaaviation.com)

Feb. 2025 - Present

Project Manager, POC

Bengaluru, In.

• Working with Drona Aviation to develop Gesture Controlled Drones.