HimanshuShekhar Pandey

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Education

•Vellore Institute of Technology, Chennai *2021 – 2025*
B.Tech - Computer Science and Engineering CGPA: 8.07

•Brijlal Biyani Science College, Amravati (Class XII) *2019 – 2021*
10+2 (HSC) PCM with Computer Science, Maharashtra State Board (MSBSHSE) Percentage: 89.5%

•Golden Kids English High School, Amravati (Class X) *2018 – 2019*
10th (SSC), Maharashtra State Board (MSBSHSE) Percentage: 88.6%

Experience

•Cognizant Technology Solutions *April 2025 – July 2025*
Java Full Stack Intern

- Underwent training in **Java Full Stack Development** with a focus on real-world application architecture.
- **Technologies trained on:** Java, Spring Boot, REST APIs, Microservices, MySQL, Maven, React, HTML, CSS, JavaScript, Git, GitHub, Postman, Swagger and Agile methodologies.
- Implemented core modules: User & Driver Management, Ride Booking, Payment Processing, and Rating System.
- Developed secured REST APIs for backend services, integrated with React frontend, implemented token-based authentication (JWT) web security.

Projects

• **Cab Booking System**
A scalable full-stack cab booking web app based on microservices.

- Designed a modular ride-hailing system with core features like user & driver management, ride booking, payment, and history tracking.
- Developed secured REST APIs using Spring Boot, integrated with React frontend, and tested using Postman & Swagger.
- Built using a microservices architecture for better scalability, maintainability, and deployment flexibility.
- **Tools & technologies used:** Java, Spring Boot, React.js, MySQL, HTML, CSS, JavaScript, Maven, Microservices, REST APIs.

• **Corneal Epithelial Defect Area Measurement**
An Model for defect measurement tool for ophthalmology using segmentation networks.

- Built a medical imaging tool using deep learning (UNet, FPN) to segment and quantify corneal epithelial defects from clinical images.
- **FPN Model:** IoU: 0.77, Dice: 0.87, Accuracy: **93.14%**; **UNet Model:** IoU: 0.67, Dice: 0.80, Accuracy: **75.19%**.
- Automated the analysis workflow, improving accuracy, consistency, and efficiency in clinical diagnosis.
- **Tools & technologies used:** Python, OpenCV, Pillow, Google Colab, UNet, FPN, Deep Learning, Image Processing.

Technical Skills and Interests

Languages: Java, C++, Javascript
Frontend/Backend Technologies : ReactJs, HTML+CSS, Postman, Swagger, Mongodb, SQL, GCP
Other Tools/Technologies: Git, Github, Google Dialogflow
Soft Skills/Interests: Problem Solving, Self-learning, Adaptability, Game Logic and Development.

Positions of Responsibility

• **Technical Member Game Developemt Club** VIT Chennai *2023 - 2025*

- Assisted in managing and organizing various gaming events.
- Participated in workshops and event coordination activities.

Achievements and Certifications

• **Google Cloud Certified:** Cloud Digital Leader and Google Cloud Computing Foundation *Dec 2023*
• **138** Institute Rank on GeeksForGeeks *Jan 2025*
• **300+** DSA Problems on GeeksForGeeks and LeetCode *Jan 2025*
• **Java | C | Python** Training and Test by IIT Bombay *Aug 2024*