Vaibhav Tewari

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Github | Linkedin

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. (ECE)	Indian Institute of Information Technology, Pune	8.22	2020-24
Senior Secondary	Narayana Junior College	93.0%	2020
Secondary	Vikas The Concept School	82.8%	2018

EXPERIENCE

- **Scaler** — *November 2023 - May. 2024*
  Software Developer Intern — Banglore, India
  - Worked in the Problem solving pod of Scaler responsible for the online judge and contest held on the platform
  - Contributed to AI-driven assessment of learner-created schema designs, enhancing evaluation and cost-effectiveness.
  - Primarily focused on Ruby on Rails and MySQL as a back-end developer, ensuring robust system functionality.

- **Citi Bank** — *May 2023 - July. 2023*
  Summer Analyst — Pune, India
  - Converted a SQL-dependent app to NoSQL, optimizing regional user response time and performance.
  - Established efficient backend-couchbase connection, adeptly managing data retrieval & interaction from frontend.
  - Utilized WebSocket in .NET Framework to facilitate real-time communication among the frontend and backend.

- **Deep Learning Computer Vision Research** — *May 2022 - September 2023*
  Research Assistant and First Author - Dr. Sanjeev Sharma — Pune, India
  - Published at - Tewari, Vaibhav, Noamaan Abdul Azeem, and Sanjeev Sharma. "Automatic guava disease detection using different deep learning approaches." Multimedia Tools and Applications (2023): 1-24
  - Conducted meticulous analysis among various deep learning models to ascertain the most optimal one through comprehensive evaluation, systematic comparison, and substantiated by sound reasoning and empirical evidence.

PROJECTS

- **Star wars game** — *May. 2023 - Present*
  A multiplayer game developed to play
  - **Tools & technologies used**: Node.js, Express.js, WebSocket
  - Developed using multiplayer game using WebSocket, optimizing data flow between front-end and back-end
  - Handled multiple issues for better user-experience such as lag during gameplay and player-interpolation

- **E-Shop Website** — *May. 2023 - Present*
  Online platform for buying and selling goods and services electronically.
  - **Tools & technologies used**: Node.js, Express.js, React.js, Redux, Mongodb
  - Implemented array of diverse features such as product creation, order processing, tracking and user authentication.
  - Designed APIs for seamless frontend-backend integration, optimizing data processing & enhancing user experience.

- **Rock Paper Scissor using Computer Vision** — *April. 2022 - July. 2022*
  An interactive game of RPS using deep for enhanced gameplay experience.
  - **Tools & technologies used**: Python, Sklearn, OpenCV
  - Utilized deep learning for hand gesture detection, enabling fun interactive real-time gameplay against the computer.
  - Employed transfer learning on pre-trained model for image classification, training a custom hand gesture classifier.

TECHNICAL SKILLS

- **Programming/Tools:** C++, Java, Python, C, Javascript ,MySQL, MongoDb, Couchbase, GIT, Google Colab
- **Libraries/Frameworks:** Node.js, Express.js, Pandas, Numpy, sk-learn
- **Skills:** Object Oriented Programming(OOPS), Data Base Management System(DBMS), Operating Systems(OS)

POSITIONS OF RESPONSIBILITY

- **Head of the Anti Ragging Committee, Anti Ragging Committee, IIIT Pune** — *May 2022 - Now*
  Leading anti-ragging committee, promoting safe, inclusive campus environment, fostering student well-being.

- **Placement Coordinator, Placement Cell, IIIT Pune** — *October 2022 - June 2023*
  Comprehensive research enhancing our college's placement strategies through peer institution analysis.

ACHIEVEMENTS

- **Codeforces Specialist : Ace**[1] Achieved the specialist rating on the codeforces platform
- **LeetCode Knight : Ace**[1] ranked among the top 5 percent on Leetcode and solved $\tilde{7}00$ problems
- **Ranked among the top 30** coding contest conducted by Algo-University in IIIT Pune
- **Ranked among the top 10** speaking contest - Eloquence held by IIIT Pune