TARUN

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in tarun gautam Tarun-Gautam-915 Portfolio

EDUCATION

• **Dr. APJ Abdul Kalam Technical University, ABES Institute of Technology** *CGPA: 7.9*
Bachelor of Computer Science and Engineering (AI Specialization), 2025 Ghaziabad, India

• **Indian Institute Of Computer Science** *CGPA: 7.9*
Diploma In Computer Applications and Programming, 2021 Delhi, India

• **Central Board of Secondary Education, ASVJ Sr. Sec. School** *CGPA: 6.7*
XII PCM with CS, 2020 Delhi, India

INTERNSHIP EXPERIENCE

• **Asuun Wellness Private Limited** *September 2024 - May 2025*
Intern
◦ Designed UI for app modules using Figma and collaborated via Git for version control and seamless teamwork.
◦ Implemented responsive and multilingual design for cross-device compatibility and user accessibility.
◦ Processed datasets for object detection and modeling to enhance application accuracy.
◦ Conducted application testing and documented functionalities for improved reliability.
◦ Learned Python and Power BI during internship; used Power BI to analyze data and generate insights.

PROJECTS

• **Password Manager Web App**
Tools: React.js, Node.js, Express.js, MongoDB, UUID, Tailwind CSS, Toastify
◦ Developed a **full-stack password manager** web app using the **MERN stack** to securely store, edit, and delete user credentials with **RESTful APIs**.
◦ Built a responsive frontend in **React.js** featuring **password visibility toggle**, **copy-to-clipboard**, and real-time **toast notifications** using **React-Toastify** and **Lordicon**.
◦ Initially implemented with **localStorage** for browser-based persistence, later migrated to **MongoDB** for enhanced scalability and data handling.

• **Spotify Clone - Web Music Player**
Tools: HTML, CSS, JavaScript
◦ Developed a **responsive and interactive music player** web app inspired by **Spotify**, featuring **dynamic playlists**, **song controls**, **volume settings**, and **seekbar functionality**.
◦ Implemented **folder-based song browsing**, **JSON-powered album metadata**, and a custom **HTML5 audio interface** using **vanilla JavaScript**.
◦ Hosted and tested the project **locally** with full functionality across **modern browsers** and responsive layouts for various screen sizes.

• **Water Quality Prediction Model** *Team size: 2 members*
Tools: Python, Flask, Scikit-learn, Pandas, NumPy, HTML, CSS, JavaScript, Jupyter Notebook
◦ Developed a **Flask-based ML web app** to predict **water safety** using **TDS, pH**, and **survey-based** inputs (e.g., turbidity, conductivity).
◦ Designed a **responsive UI** with **HTML/CSS/JS**, offering tailored input forms for both general and advanced users.
◦ Trained a **Random Forest model** with **hyperparameter tuning**, achieving better accuracy than SVM and Logistic Regression.

TECHNICAL SKILLS

Frontend Development: HTML, CSS, JavaScript (ES6+), React.js, Next.js, Tailwind CSS, Bootstrap
Programming Languages: JavaScript (ES6+), Python (OOP)
Backend Development: Node.js, Express.js, MongoDB ,REST APIs (basic knowledge)
Tools & Software: Postman, Git, Visual Studio Code, Slack, MS Office Suite, Figma, Power BI, PyCharm