# 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.
◦ Created dashboards and analyzed data using Power BI to generate actionable 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

**Full-Stack Web Development**:MERN Stack (MongoDB, Express.js, React.js, Node.js), RESTful APIs, MVC Architecture

**Frontend Development**: React.js, Next.js, Redux, HTML, CSS, JavaScript

**Backend Development**: Node.js, Express.js, EJS, REST APIs, MongoDB

**Tools & Software**: Postman, Git, Visual Studio Code, Slack, MS Office Suite, Figma, Power BI