

# ABHISHEK TIWARI

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## SKILLS

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- **Programming Languages:** Typescript, Javascript, C++, python, Go (Golang), C
- **Frontend:** Next.js, React.js
- **Backend & Runtimes:** Node.js, Express, Hono (Serverless)
- **Databases & ORMs:** SQL, MongoDB, NeonDB, Prisma, Redis.
- **Cloud & DevOps:** Docker, AWS deployment and Certificate Management.

## LEADERSHIP EXPERIENCE

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- **Vice Chair, IEEE Student Committee, College Student Chapter:**

- Served as Vice Chair of the IEEE student committee.

## PROJECTS

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### Full-Stack: [web-zenie](#)

- A full-stack, AI-powered application that generates code from natural language prompts, leveraging OpenAI for generation, E2B for secure sandboxing, and a type-safe tRPC backend with Prisma ORM and PostgreSQL.
- Crafted a dynamic and responsive user interface using a cutting-edge stack of Next.js 15, React 19, and TypeScript, while establishing a high-velocity development workflow with Turbopack to ensure a polished user experience and high code quality

### Backend: [Smart Education \(LMS\)](#)

- Engineered a scalable Node.js backend using Express.js, TypeScript, and Turborepo, architected to support over 1,000 concurrent users.
- Implemented robust authentication (bcrypt, JWT) and improved system responsiveness by leveraging Redis for session caching and data persistence with MongoDB.
- Designed a dedicated microservice using Nodemailer for reliable OTP email verification, and ensured API reliability with comprehensive Postman testing

### Backend: [Backend Project-01 \(Authentication Service\)](#)

- Innovated a secure and scalable backend leveraging Node.js, Express.js, and MongoDB for data persistence. Established strong authentication using JWT and bcrypt, with seamless session management facilitated by cookie-parser.

### Frontend: [Tempus](#)

- Designed and deployed a dynamic Weather Application on Vercel, leveraging React.js and TypeScript for robust functionality. Utilized Shadcn and Tailwind CSS for a modern, responsive UI, integrating the OpenWeather API for real-time data.

### Open Source: [Social Summer of Code \(SSOC4\)](#)

- An active open-source contributor to Social Summer of Code Season 4, organized by Reskill India and the Microsoft Developer Community. Engaged in enhancing features and contributing to community-driven projects.

## CERTIFICATE/BADGES

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### AI-102: [Azure AI Engineer Associate](#)

06/2025

- Developed AI solutions using Azure services for computer vision, NLP, and generative AI.
- Implemented knowledge mining and applied responsible AI principles to ensure ethical and insightful solutions.

- Managed the end-to-end AI solution lifecycle on Azure, from design and deployment to monitoring and optimization

**AI-900: [Azure AI Fundamentals](#)**

01/2025

- Demonstrated foundational knowledge of common AI workloads and their applications, scoring 945/1000.
- Understood core principles of machine learning, deep learning, and cognitive services on Azure.
- Recognized the capabilities of Azure AI services for computer vision, NLP, and conversational AI.

**Google: [Google Cloud Skill Data Analyst Learning Path](#)**

04/2023

- Proficient in leveraging Google Cloud tools (BigQuery, Looker, Cloud Storage) for data management, analysis, and visualization.
- Skilled in applying SQL for data transformation, querying, and preparing data for business insights.
- Experienced in creating compelling data visualizations and dashboards to communicate findings and drive data-driven decisions.

**Additional Learning:**

- Full Stack Web Development Course by Harkirat Singh, 100xdevs 05/2024
- Website Hacking/Penetration Testing by Zaid Sabih, z Security. 09/2023
- Mastering SQL Injection by David Bombal and Rana Khalil. 10/2023

**EDUCATION**

**Rajiv Gandhi Proudyogiki Vishwavidyalaya || Indore**

10/2022 – 06/2026

B. Tech Computer Science (CGPA: 7.79)

**Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Database Management System, Machine Learning, Software Engineering, Object-Oriented Programming

**Higher Secondary Education || Shahdol, M.P.**

04/2022

Percent: 87.8% Grade: A+

**Secondary Education || Shahdol, M.P.**

04/2020

Percent: 95.3% Grade: A+