



Krishna Awasthi

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B. Tech

Computer Science and Engineering

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[Portfolio](#)

[GitHub](#)

[LinkedIn](#)

Professional summary

Ambitious and skilled B. Tech student specializing in Computer Science with hands-on experience in full-stack development. Proficient in building scalable backend services using Node.js, NestJS, Sequelize, and PostgreSQL. Experienced in designing RESTful APIs and integrating them with dynamic frontend applications. Seeking an internship role to apply backend development and database skills in a real-world software engineering environment.

Education

• Pranveer Singh Institute of Technology, Kanpur

2nd year

B. Tech, Computer Science and Engineering [2027]

8.15 CGPA (1st year)

• Gardenia Public School, Kanpur

2023

CBSE Board

Percentage: 77%

Work Experience

Data Science & Analytics Intern – Zidio

January 2025 – March 2025

- Worked on data extraction, cleaning, and visualization to support business insights and performance reporting.
- Conducted exploratory data analysis (EDA) to identify trends and anomalies using Python, Pandas, and NumPy.
- Created dashboards and reports using Excel and Tableau to present key performance indicators (KPIs) to stakeholders.
- Collaborated with senior analysts to assist in predictive modelling and hypothesis testing for user engagement metrics.
- Gained hands-on experience in transforming raw data into actionable insights for decision-making.

Technologies Used: Python, Pandas, NumPy, Excel, Tableau, SQL

Projects

IoT-Based Assistive Device for Differently-Abled Individuals

- **Objective:** Developed a device that incorporates text-to-speech, image-to-text, and speech-to-text functionalities, empowering visually, audibly, and vocally challenged users.
- **Technologies Used:** IoT, Python, Open CV, Speech Recognition, Image Processing Libraries
- **Impact:** Enabled users to gain independence in communication and navigation, focusing on a user-centred design approach.

Portfolio Website (Full-Stack Web App with NestJS and PostgreSQL)

- Designed and developed a personal portfolio website showcasing my skills, certifications, and projects.
- Built a RESTful API backend using NestJS and Node.js, with secure endpoints to manage form submissions.
- Integrated Sequelize ORM to interact with a PostgreSQL database, storing user-submitted data with validation.
- Developed dynamic frontend interfaces and handled API requests/responses to update the UI in real time.
- Deployed the website using GitHub Pages, focusing on responsive design and backend performance.

Technologies Used: HTML, CSS, JavaScript, Node.js, NestJS, PostgreSQL, Sequelize, Git

Live Link: [InnovateWithKrishna](#)

GitHub: [GitHub Profile](#)

Technical Skills

Programming Languages:

Python, C, C++, JavaScript, SQL

Web Development & Frameworks:

HTML, CSS, JavaScript, Node.js, NestJS, Express.js, Flask

Databases & ORMs:

PostgreSQL, MySQL, MongoDB, Sequelize ORM

APIs & Backend:

RESTful API development, JSON, API integration, Authentication & Authorization (JWT)

Tools & Platforms:

Git, GitHub, VS Code, Vercel, Postman, Docker (basic knowledge)

Data Analysis Tools:

Excel, Pandas, NumPy, Scikit-learn, Tableau.

Certifications

- Programming Fundamentals using Python – Infosys Springboard
- Python Basics – Hacker Rank
- Problem Solving (Intermediate) – Hacker Rank
- Software Engineer Intern Certification – Hacker Rank

Achievements

- Successfully earned and shared two technical certifications on LinkedIn, enhancing my professional profile.
- Actively engaged in academic projects that emphasize innovation and accessibility in technology.

Extracurricular Activities

- **Public Speaking & Leadership:** Actively participated in seminars, demonstrating strong presentation and communication skills, and leading discussions on tech for social good.