

Udipta Kumar

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Professional Summary

Detail-oriented B.Tech Computer Science student (2026) with strong foundations in software development, data structures, algorithms, and full-stack web development. Proficient in Java, Python, and modern frameworks. Seeking software development roles to build scalable solutions in fast-paced teams.

Technical Skills

- Languages:** Java, Python, C++, C, SQL
- Web Technologies:** HTML5, CSS3, JavaScript (ES6+), Bootstrap, React, Node.js, Express.js
- Frameworks/Libraries:** Flask, Selenium, REST APIs
- Tools:** Git, GitHub, Linux, VS Code, MySQL, Arduino
- Core Concepts:** Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks

Education

Amity University, Patna

B.Tech, Computer Science & Engineering

2022 – 2026 (expected)

CGPA: 9.61

Kendriya Vidyalaya Danapur Cantt (CBSE)

Class 12: 95%

2019 – 2021

Class 10: 93.4%

Work Experience

Software Engineer Intern – Purezza Technologies

Jun–Sep 2024

- Developed RESTful APIs using Node.js and Express.js, improving backend efficiency by 20%.
- Automated data validation scripts, reducing manual QA workload by 30%.
- Collaborated with QA and DevOps to debug scripts and optimize CI/CD pipelines.

Python & IoT Intern – Codroid Hub

Jun–Jul 2023

- Built a home automation system integrating Arduino and IoT sensors.
- Developed Python scripts for data processing and real-time cloud reporting.

Projects

PrashnaAI: AI-powered Web Q&A Chatbot

[Python, Flask, NLP]

- Designed an AI chatbot for querying and summarizing web content.
- Integrated web scraping and NLP modules for question answering.

Railway Tender Automation

[Python, Selenium, Automation]

- Automated tender extraction via Selenium; generated reports using Gmail and Drive APIs.

Student Dashboard App

[HTML, CSS, JavaScript]

- Developed an academic dashboard with dynamic data handling using JSON.

Certifications

- Full Stack Python Development – Udemy
- Data Structures & Algorithms in C/C++ – Udemy

Achievements

- **2nd Prize:** HackIT 2025 (National Hackathon)
- **Qualified:** GATE CSE 2025
- 100% Merit Scholarship (All Semesters, Amity University)

Extracurricular Activities & Languages

- Hackathons, Poster Design, University Events, Art Club
- **Languages:** English (Proficient), Hindi (Native), French (Basic)