

Amit Kumar Kuswaha

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SUMMARY

AI and software engineering undergraduate with hands-on experience in **generative AI, machine learning, IoT systems, and full-stack web applications**. Proven ability to design and deploy scalable, user-focused solutions using modern tools, APIs, and cloud platforms. Strong foundation in **data structures, algorithms, and computer systems**.

EDUCATION

Bachelor of Technology — Electronics and Computer Engineering	2022 – Present
Dronacharya Group of Institutions, Greater Noida	
CGPA: 7.38 / 10 (73.8%)	
Senior Secondary (Class XII) — Assam Higher Secondary Education Board	2020 – 2022
B. Borooah College, Guwahati	
Percentage: 73.2%	
High School (Class X) — Assam Board of Secondary Education	2020
Aryan Academy English Medium High School, Guwahati	
Percentage: 79.67%	

WORK EXPERIENCE

GenAI Intern — AgriDoot (NovosEdge Pvt. Ltd.)	Jun 2025 – Aug 2025
• Assisted team leads in the development of Gyan LLM , a domain-specific large language model. • Contributed to the Gyan Fatafat web scraping module for collecting, cleaning, and structuring large-scale datasets. • Supported prompt design, data preprocessing, and validation workflows. • Collaborated with cross-functional teams to integrate AI components into production pipelines.	

PROJECTS

GUDPALS—Senior Citizen Engagement Platform [Link]	Apr 2025
• Architected and deployed a mobile-first web platform delivering live sessions, e-commerce, learning resources, and travel planning for senior citizens. • Implemented secure authentication using Clerk and real-time data management with Supabase . • Optimized application performance and scalability through Vercel-based cloud deployment . • Designed a bilingual (English/Hindi), accessibility-first UI to enhance usability for elderly users.	
Instagram Sentiment Analysis System	Nov 2024
• Designed and implemented an NLP-based sentiment analysis pipeline using Python and machine learning libraries. • Processed and classified Instagram comments into positive, negative, and neutral sentiment categories. • Analyzed sentiment trends to generate actionable insights for brand perception and customer feedback.	
Home Automation System (IoT)	Feb 2024
• Developed an IoT-enabled home automation system using NodeMCU and Blynk for remote appliance control. • Enabled real-time monitoring and control of devices via a mobile application. • Ensured reliable device communication and user-friendly interaction.	
IoT-Based Floor Cleaning Robot (Prototype) ,	May 2023
• Built a toy car-based floor cleaning prototype using Arduino, C, and DC motors. • Implemented basic motor control logic to enable movement and surface cleaning functionality. • Focused on understanding core concepts of robotics, automation, and embedded systems . • Presented the prototype at the college Hackfest Dron Pratibimb , demonstrating practical engineering skills.	

TECHNICAL SKILLS

Languages: C, C++, Python, SQL

AI/ML: Machine Learning, NLP, LLMs, Prompt Engineering

Web/Cloud: Supabase, Clerk, Vercel

Tools: GitHub, VS Code, Google Colab, MATLAB, Arduino IDE

Core CS: Data Structures & Algorithms, Operating Systems, Computer Networks, OOP

CERTIFICATIONS & ACHIEVEMENTS

- CCNA: Introduction to Networks — Cisco Networking Academy (2025)
- Introduction to Cybersecurity — Cisco Networking Academy (2025)
- Innovation Design & Entrepreneurship (IDE) Bootcamp — IIT Jammu (AICTE, MOE)
- Computer Networks Fundamentals — Udemy
- NSS Volunteer — 27th National Youth Festival, Government of India