Aditya Gupta

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SUMMARY

Dedicated and knowledge-driven MS Software Engineering student specializing in Cybersecurity, experienced in software development, agile practices, and tools like Tcpdump, Wireshark, IDA, and Ghidra. Seeking roles as Software Developer, Cloud Security Analyst, or Cybersecurity Analyst.

EDUCATION

M.S. in Software Engineering (Specialization in Cybersecurity)	8/2023 - 5/2025
Arizona State University, Tempe, AZ	3.38 GPA
Foundation Level Bachelor of Science in Programming and Data Science	1/2021 - 5/2023
IIT Madras, Online, India	7.8 / 10 GPA
Bachelor of Technology in Electrical Engineering	8/2019 - 5/2023
Netaji Subhas University of Technology, Delhi, India	6.98 / 10 GPA

TECHNICAL SKILLS

Languages: C++, C, Python, Java, JavaScript, Prolog.

Front-End: HTML, CSS, React.JS, Django, Bootstrap

Tools, Databases and OS: Terraform, Scapy, Netcat, Nmap, Wireshark, Tcpdump, Node.JS, PostgreSQL, MongoDB, MySQL, Git, GitHub, Windows, Linux/Unix

Other Technical Skills: Cloud Cybersecurity Analysis, IAM, Network Security, Visual Studio Code, Eclipse, MATLAB, VMWare, Google Suite, Microsoft Office

Other Non-Technical Skills: Project Management, Leadership, Interpersonal Communication.

WORK EXPERIENCE

1. Python Developer Intern, Goognu Data Services Pvt. Ltd., Gurugram, India   6/2022 - 8/2022

- Created a python script to attach a watermark to videos on the website required by the company to automatically watermark tutoring videos.
- Redesigned the front page of the company's website.
- Undertook a project requiring cleaning and organizing of data along with API designing using Python and MongoDB.
- Contributed 40 hours a week to deliver my work.

2. Intern, Magnifi.ai, Remote, India   2/2022 - 3/2022

- Created a chatbot using the AI tools from a certified course and an automated customer response feedback form crucial for the product.
- Researched available resources in the industry daily to provide improvements and feedback on current tools used.
- Communicated daily progress to senior management and prepared a progress report.

3. Front-End Developer Intern, datadecode.ai, Remote, India   8/2021 - 10/2021

- Designed the front-end of a government affiliated website using HTML5, CSS and ReactJS.
- Constructed and helped with the redesigning of the company's website using ReactJS and other JavaScript libraries such as NodeJS.
- Dedicated 35 hours a week to deliver before deadlines.

CERTIFICATES Link

GOOGLE CLOUD CYBERSECURITY PROFESSIONAL CERTIFICATE, COURSERA 2025

GOOGLE CYBERSECURITY PROFESSIONAL CERTIFICATE, COURSERA 2024

GOOGLE AI ESSENTIALS, COURSERA 2024

COCA-COLA LEADER LAB, 2023

BUILDING AI APPLICATIONS WITH WATSON APIs, COURSERA 2022

PYTHON PROJECT FOR AI AND APPLICATION DEVELOPMENT, COURSERA 2022

PYTHON FOR AI, DATA SCIENCE AND DEVELOPMENT, COURSERA 2022

BUILDING AI POWERED CHATBOTS WITHOUT PROGRAMMING, COURSERA 2022

GETTING STARTED WITH AI USING IBM WATSON, COURSERA 2022

INTRODUCTION TO AI, IBM, COURSERA 2022

ALGORITHMIC TOOLBOX, COURSERA 2022

PROJECTS

LingoScript, A Custom Programming Language   04/2024

- Developed LingoScript, implementing a Lexical Analyzer in Python, and a Parser and Evaluator in SWI-Prolog.
- Implemented tokenization, parsing and semantic evaluation for basic arithmetic, control structures, and data manipulation.
- Integrated data types (Integer, Boolean, String), logical, arithmetic and relational operators, and control flow support in the language.
- Ensured semantic correctness with the Evaluator, raising exceptions for errors like attempts to modify constants.

Happy Health Pediatrics   04/2024

- Developed a pediatric office system with JavaFX for managing patient data and histories.
- Designed DoctorView, NurseView and PatientPortal, intergrating a MySQL database.
- Implemented a role-based messaging system for doctors, nurses and patients.
- Conducted extensive testing for patient sign-in, vitals entry, and messaging.

Terminal Based Portfolio Website   02/2024

- Developed my terminal-based portfolio website using ReactJS, Typescript and Styled-Components.
- Supports multiple themes and keyboard shortcuts for some added functionalities.
- Displays developmental skills along with a creative mindset.

ORGANIZATIONS

Secretary, VP of Fellowship, Pledge Educator at Alpha Phi Omega National Service Fraternity