Mahir Azam

https://github.com/Azomiah | m.azam61318@gmail.com | linkedin.com/in/mahir-azam-5541691b4

Education

Hunter College   *Manhattan, NY |*Expected Graduation: June 2025
Bachelor of Arts in Computer Science, Minor in Mathematics

Relevant Courses*:* CodePath: Web Development**,** Software Engineering, Object-Oriented Programming, Data Structures &
   Algorithms, Databases, Product Management

Skills

- **Programming:** Python, C++, JavaScript, Bash, CSS, HTML, Java

- **Software:** Git, Docker, Google Cloud Platform, Jira, Databases, Linux

- **Certificates: Google:** IT Support, **Udemy**: Web Development, **FreeCodeCamp**: Responsive Web Development

Experience

Software Development Trainee |*Python, JavaScript, HTML, CSS, SQL, Microsoft Suite*   NYC | Aug 2024 – Present
Year Up United
  • Built and deployed web applications using front-end and back-end technologies (Python, SQL), implementing database
management and API integration.
  • Analyzed datasets to build features that enhanced user interactivity and provided real-time data updates across web
applications.
  • Implemented key data structures (e.g., arrays, linked lists, and hash maps) to optimize application performance and
solve complex programming challenges.

Software Development Intern |*React, Node.js, AWS, LangChain, OpenAI*   *Brooklyn, NY* | June– Aug 2024
Headstarter AI
  •Integrated WebSocket protocols to enable real-time communication for users, smooth video and messaging features.
  •Utilized AWS services for scalable cloud deployment, ensuring high availability and security for the application.
  •Built a Discord Clone using React for the front-end and Node.js for the back-end, implementing real-time chat and video
functionality for seamless user interaction.
  • Participated in workshops on AI Agents and Machine Learning with OpenAI and LangChain, exploring the integration
of cutting-edge AI technologies into web applications.

Web Development Fellow |*HTML, CSS, JavaScript, Node.js, Express, MongoDB*   *Remote, NY* | June– Aug 2024
CodePath
  • Deployed full-stack web applications, integrating front-end technologies (HTML, CSS, JavaScript) with back-end
   frameworks (Node.js, Express) to create interactive and dynamic user experiences.
  • Applied version control (Git) for collaborative coding and continuous integration, ensuring smooth project updates and
   deployment.
  • Collaborated with peers in weekly meetings to review code, discuss agile methodologies, and troubleshoot application
   issues, improving both individual and team-based development skills.

Extracurriculars and Certificates

JPMorgan Chase & Co. Software Engineering −*Forage Virtual Internship Simulator*   Sept 2024
- Completed a simulation focused on the process of implementing an engineering ticket for a system in the credit-card
   rewards department of JPMorgan Chase & Co.
- Created a new class to get an existing system up and running
- Wrote a test suite for the class added

Citi ICG Technology Software Development -*Forage Virtual Internship Simulator*   October 2024
- Completed a job simulation involving hypothetical tasks to improve Citi's loan management system and stock market
   risk reporting
- Created a state diagram of the loan management process using the Unified Modeling Language (UML)
- Researched potential machine learning systems to assess credit risk and provided recommendations for next steps
- Used Java to build an internal tool visualizing stock market risk in real time

Commonwealth Bank Software Engineering−*Forage Virtual Internship Simulator*   Sept 2024
• Developed proficiency in HTML and CSS, leveraging these languages to create and style a responsive web page adhering
to specific branding guidelines.
- Acquired foundational knowledge in financial cybersecurity principles, synthesizing complex information into clear,
   actionable advice for enhancing client security.
- Explored web hosting security measures, drafting a comprehensive proposal on secure hosting practices to
          accommodate future website expansions and protect against potential cyber threats.