Abbas Hussain Muzammil

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EDUCATION

- **Cleveland State University** — Ohio, USA
  Master of Science in Computer Science; GPA: 3.7 — *May. 2023 – Dec. 2024*

EXPERIENCE

- **umee.social** — Remote, USA
  Software Engineer — *Feb 2025 - Present*
  - **Impact**: Standardized CI/CD on AWS Amplify with GitHub Actions and CloudFormation, automating infrastructure provisioning and tests; eliminated most manual deploy steps and accelerated release turnaround.
  - **Post-Production**: Enhanced app responsiveness by restructuring asynchronous workflows using Coroutines and LiveData, reducing UI lag during data fetches.
  - **Tech Used**: Java, Flutter, .Net, AWS - lambda, amplify, S3

PROJECTS

- **BMI Android App**:
  - Developed and published a BMI calculator in Java and Kotlin; added persistent storage via SharedPreferences so users can track results over time.
  - Improved accessibility with clear color contrast, larger tap targets, and responsive layouts for multiple screen sizes. .**play.google.com/store/apps/details?id=com.hephium.bmicalculator**

- **Web Scraper Pro — Web App — Python , BeautifulSoup, Pandas, Streamlit, Git, CSS selectors**:
  - Built production-ready scraper with AI-powered auto-detection, reducing data extraction time from hours to minutes.
  - Implemented OOP design with comprehensive error handling, logging, and 6 unit tests, achieving 100% pass rate.
  - Deployed globally on Streamlit Cloud, serving users worldwide with 0 infrastructure costs and automatically identifying data containers. **https://webscraper-2025.streamlit.app/**

- **CVCloud: Seamless Resume Upload with Azure Integration**:
  - Built a secure and scalable resume upload system using Azure Blob Storage for file handling and Azure Functions for serverless backend processing
  - Integrated Azure Cosmos DB to store and query metadata such as user info and timestamps. **https://stresumesabbas.z19.web.core.windows.net**

- **Weatherly Web App**:
  - Built a weather forecast web app using ReactJS, HTML, CSS, and JavaScript with API integration for real-time data.
  - Implemented response caching to minimize API calls and improve load speed, ensuring quick weather updates even in low-connectivity conditions.
  - Optimized performance, reducing data retrieval time by 50% and delivering accurate weather updates for any region in seconds. **weatherly-one.vercel.app**

PROGRAMMING SKILLS

- **Languages:** Java, Python, JavaScript, SQL, TypeScript, C++
- **Development:** Android, React, Next.js, React Native, Expo
- **Cloud:** Azure, GitHub Actions, Wireshark, Docker, Appium
- **AI & Tools:** GPT-4 via Azure OpenAI SDK agents, REST APIs, Postman, VS Code

ACTIVITIES AND AWARDS

- **Hackathon Winner — HackPSU Spring 2024**: devpost.com/software/communitysos
- **Articles & Blogging**
  - LinkedIn: **linkedin.com/in/abbas-hussain-muzammil**
  - Medium: **medium.com/@abbashussain2399**
  - Hashnode: **hashnode.com/@abbasblogs**