Abbas Hussain Muzammil
Masters in Computer Science
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EDUCATION

- **Cleveland State University** — Ohio, USA
  Master of Science - Computer Science; Overall GPA: 3.7 / 4.0 — *May 2023 - Dec 2024*

EXPERIENCE

- **Hephium** — Remote, USA
  Software Engineer Intern — *September 2024 - Present*
  - Led the development and enhancement of 10+ front-end features, improving user experience by 30% and achieving a 25% increase in functionality efficiency using ReactJS modern front-end practices.
  - Improving page load times and reducing resource usage by 20%, contributing to overall product efficiency and scalability
  - Partnered closely with the founding team to ensure the maintainability of the codebase by implementing best practices and introducing modular components, contributing to long-term product sustainability and timely delivery of feature rollouts.

PROJECTS

- **Flashlight Lumos | Android App (Testing Stage)**: Developed Flashlight Lumos, a feature-rich Android app with minimal battery usage, a Harry Potter-inspired theme, and a clean, minimalistic UI, using Java, Android SDK, XML, and Camera API.
  - Published on Google Play Store: Flashlight Lumos, with future plans to integrate voice activation, an SOS emergency mode, and a home screen widget for quick access. .
  - **https://play.google.com/store/apps/details?id=com.shadow.torch**

- **Weatherly | Web App**: Built Weatherly, a weather forecast web application using HTML, CSS, JavaScript, ReactJS, and API calls, featuring a user-friendly and unique interface.
  - Optimized performance, reducing data retrieval time by 50%, and delivering accurate weather updates for any region in seconds. **weatherly-one.vercel.app**

- **Community SOS | Web App**: Built Community SOS, a vibrant web platform for individuals to seek and offer voluntary help, using JavaScript, React.js, Supabase, Next.js, Tailwind CSS, Auth0, and Google Maps API for secure authentication and event location mapping.
  - Achieved recognition with the Best Use of React.js award at HackPSU under MLH.
  - **www.communitysos.tech**

- **BMI | Android App**: Developed & Published a Body Mass Index (BMI) Android App in Kotlin using SharedPreferences APIs, optimized for user accessibility, responsiveness, and compatibility across various Android devices and screen sizes.
  - **https://play.google.com/store/apps/details?id=com.hephium.bmicalculator**

- **My Heart | Machine Learning Model**: Developed a Machine Learning model to predict heart disease with 98% accuracy, leveraging Bio-Inspired algorithms and Python.
  - **github.com/Abbas-Hussain-Muzammil/Heart-Disease-Prediction-System**

SKILLS

- **Languages**: Java, JavaScript, Haskell SQL, REST API, Python, C/C++.
- **Databases & Libraries**: MS SQL Server, SQL, ReactJS, Pandas, Numpy, Scikit-learn, Seaborn, Matplotlib.
- **Frameworks & Technologies**: Linux, Git, GitHub, NodeJS, Vercel, Visual Studio, MS Office Suite.
- **Methodologies & Disciplines**: CI/CD, AI, Cloud Techolonolgies.

ACTIVITIES AND AWARDS

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