Abbas Hussain Muzammil

Master's Student | 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*

SKILLS

- **Interests and Domain**: Full Stack Development & Android Development,
- **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

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.
  - Partnered closely with the founding team to ensure the alignment of features with the product's strategic vision and design goals.

PROJECTS

- **Weatherly | Web App**: Tech: HTML, CSS, JavaScript, ReactJS, API Call
  - Leveraged HTML, CSS, JavaScript, **ReactJS** and API calls to create Weatherly.
  - A weather forecast application with a user-friendly and unique interface.
  - Reduced data retrieval time by 50% and provided accurate weather updates of any region in seconds.
  - **weatherly-one.vercel.app**

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- **BMI | Android App**: Tech: Kotlin, SharedPreferences, XML
  - An app to check your health status.
  - Engineered the development of a Body Mass Index Android App in Kotlin utilizing SharedPreferences APIs
  - Optimized the app for user accessibility and responsiveness, ensuring compatibility across various Android devices and screen sizes while maintaining efficient performance.
  - **https://play.google.com/store/apps/details?id=com.hephium.bmicalculator**

- **My Heart | Machine Learning Model**: Tech: Python, HTML, CSS, JavaScript, Bio-Inspired Algorithms - Machine Learning, Clinical Data set from Kaggle
  - Developed a ML model to predict heart disease among patients, achieving an accuracy of 98%
  - Employing Bio-Inspired algorithms using Python.
  - **github.com/Abbas-Hussain-Muzammil/Heart-Disease-Prediction-System**

AWARDS

- **Community SOS | Web App**: Tech: JavaScript, React.js Supabase: Open-sourced Firebase alternative, Next.js, tailwind CSS, Auth0, Google Maps API
  - A vibrant community platform where individuals can seek and offer help voluntarily.
  - Leveraged Supabase, for a database of events created and showed the location of the event through fetching Google Maps API and Integrated Auth0 for secure authentication
  - Awarded with the esteemed Best Use of React.js award at **HackPSU** - Pennsylvania State University under **MLH**
  - **www.communitysos.tech**

ACTIVITIES

Writing: Articles and blogs on computer science fundamentals such as DNS, Analysis of Algorithms and Android development

- **Blogging at Medium.com** : medium.com/@abbashussain2399
- **Blogging at Hashnode**: hashnode.com/@abbasblogs
- **Articles at LinkedIn**: linkedin.com/in/abbas-hussain-muzammil