Dinesha Shair

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EDUCATION

University of Georgia   **May 2025**
Bachelor's in Computer Science
• Relevant courses: Programming I, Software Development, Theory of Computations, Systems Programming, Discrete Math, **Linear Algebra**, Calculus I, Data Structures, Algorithms, Computer Architecture, Web Development, **Operating Systems**, **Database Management**, **Computer Neuroscience**, **Human Computer Interactions**

SKILLS

Programming Languages: Proficient in Java, Python, C, Kotlin, Typescript, MIPS, Bash
Frameworks/Libraries: Firebase**,** React, Next, Flask, Jupyter Notebook, Material UI, tailwind, pytorch, numpy, panda, matplotlib
Others: Git, Linux/Unix, MATlab, Maven, Node, Postman, Vercel, AWS S3, RESTful APIs, openAI API, Valgrind, gcc compiler

PROJECTS

Plant Disease Detector -*[link](#)*   *YOLO | FastAPI | Next.js | TypeScript | TailwindCSS | WeatherStack API*
• Implemented **YOLO-trained Machine learning model** to detect plant diseases, during **SacHacks Hackathon**.
• Built a FastAPI backend for image processing, weather data retrieval, and soil-based treatment recommendations.
• Achieved **98% accuracy** with **instant disease diagnosis** and annotated results.

ParisOlympicPrediction -*[link](#)*   *Google Colab | Kaggle | Matplotlib | Numpy | Plotly | Python*
• Applied **machine learning** algorithms to predict Olympic medal outcomes with **80% accuracy** using historical data.
• Processed and analyzed **10,000+ rows of data** in a cloud-based infrastructure to ensure efficient handling of large datasets.
• In a team of 3, extracted and delivered a data-driven app at **CODEDEX hackathon**, securing a **top three newcomer** team.

SmartPantry -*[link](#)*   *MongoDB | Groq Api | Typescript | Tailwind | Next| Node | React*
• Developed a real-time pantry inventory app with Authjs for secure, cloud-based storage and synchronization across devices.
• Implemented **Groq API** to generate recipe recommendations, saving users an average of **15 minutes per meal planning session**.
• Optimized data synchronization and accessibility, enhancing pantry organization and user satisfaction by 25%.

Truest Assist -*[link](#)*   *Next.js | TypeScript | TailwindCSS | MongoDB Atlas | Bcrypt | Groq API*
• Developed an interactive **Gamified financial literacy** platform at **UGA Hacks** with a team of 4.
• Implemented **rewards systems**, and concepts like EBITDA, cash flow, making education more interactive with **AI feedback**.
• In 48 hours, made a secure full-stack solution, ensuring a smooth and scalable experience.

RELATIVE EXPERIENCE

Jinya Ramen Bar   Buford, GA, USA
Shift Lead   December 2021 - Present
• Managed the POS and CRM system and entered **50+ orders per hour** with zero errors. Helped train new staff.
• Trained new staff and guided guests, memorizing most menu items to provide a customized dining experience.
• Delivered high-quality client service to over **200 customers per shift** during peak times.

Headstarter AI   New York, NY, USA
Software Engineering Fellowship   May, 2024 - August, 2024 *(7 weeks)*
• Deployed five cloud-based applications using React.js, Next.js, and Node.js, leveraging **Agile** to boost team collaboration.
• Used **AWS S3** and **Vercel** for scalable storage and deployment, ensuring **99.9% uptime** and optimal performance for real-time apps.
• Integrated APIs like **OpenAI** and **Stripe** to enable AI functionalities, seamless payments, and secure user authentication workflows.

Goldman Sachs Software Engineering Virtual Experience Program on Forage   September 2024
• Simulated the role of a governance analyst, analyzing IT security policies and identifying vulnerabilities in **hashing techniques.**
• Used **Hashcat** to crack outdated hashing algorithms, recommending enhancements like secure hashing protocols and word lengths.
• Proposed solutions aligned with **modern cloud security standards**, improving overall password protection.

Meditology Services   Atlanta, GA, USA
ITRM Intern   March 2025 - Present

CERTIFICATES

Codepath Android Development 101: Android Studio, Fragments, Layouts, Multi-screens, RecyclerViews, Restful-APIs
ATT Tech Academy: Agile, Kanban, Scrum, RESTful APIs, Cloud computing, Machine Learning, ATT Networks