

# Abdullah AL Hinaey

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## EDUCATION

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*University of Central Florida*

*Jun 2020 – Dec. 2024*

- **Bachelor of Science in Computer Science**, Orlando, FL
- **GPA: 3.6**

## PROFESSIONAL EXPERIENCE

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### Software Engineer

*Northsys, Muscat, Oman*

*Oct 2025 – Present*

- Collaborated with stakeholders to **analyze and define requirements** for the **Sultan Haitham City e-Services platform**, ensuring alignment with government and business needs.
- Contributed to the **initial UI/UX architecture**, helping create scalable and user friendly interfaces for complex workflows.
- Contributed as part of a **large cross functional team** to build a **multi dashboard enterprise system** supporting one of the **largest real estate projects in Oman**.
- Helped develop a platform serving **diverse user groups**, including **citizens, international users, real estate developers, and government entities**.
- Worked on integrating **multiple dashboards and data systems**, enabling efficient management, monitoring, and decision making across the platform.

### Software Engineer Intern

*Occidental of Oman (Oxy), Mukhaizna, Oman*

*March 2025 – July. 2025*

- Redesigned the internal **homepage portal** and integrated it with a **.NET backend and SQL Server**, centralizing access to team developed tools and field performance metrics.
- Built an **interactive 3D field map** using **Mapbox**, visualizing RMTs, well types, and allowing users to explore field polygons dynamically.
- Developed a **centralized dashboard system** to manage employee access to all internal tools, streamlining permissions.
- Built an **AI powered tool** that lets non technical employees retrieve data using **natural language queries**, by implementing a **Text to SQL system** optimized to reduce token usage and handle large, complex databases efficiently.

### Software Engineer Intern

*Byanat, Muscat, Oman*

*May 2024 – Nov. 2024*

- Developed a high performing mobile application using **React Native**, improving performance testing efficiency by 25%.
- Integrated **Kotlin** modules to enhance network measurement accuracy, boosting data collection reliability.
- Implemented features for **web performance** and **internet speed tests**, refining user experience.
- Built and maintained **PostgreSQL**-backed data storage systems for in depth analytics and reporting.
- Engineered an **AI analytics platform** using LLaMA 3.0 and GIS, visualizing traffic datasets and detecting emerging hotspots.

## PROJECTS

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### SenseRator 2.0

*Jetson Nano, Python, React, OpenCV, TensorFlow, Firebase*

*2024*

- Developed object detection algorithms using **Jetson Nano** and RGB cameras, achieving 92% pedestrian detection accuracy.
- Built a **React**-based web app with a 2D map interface for safety score visualizations, reducing urban planning analysis time.
- Implemented **Python pipelines** for real time video analysis and feature mapping.
- Analyzed pedestrian vehicle interactions using **computer vision**, providing actionable insights for urban safety improvements.

### LawLinker

*MongoDB, React.js, Node.js, OpenAI GPT, Cloud Infrastructure*

*2023*

- Designed a voice enabled **CRM system** that reduced onboarding time by 40%.
- Integrated **OpenAI GPT** models for real time voice to data conversion, automating legal case extraction.
- Built a full stack application using the **MERN stack** with RESTful APIs for seamless communication.
- Enhanced **NLP pipelines** to handle legal specific terminologies, ensuring efficient processing.
- **Award:** Winner of KnightHacks Hackathon Morgan & Morgan Challenge for innovation in legal tech.

## TECHNICAL SKILLS

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- **Programming Languages:** Java, Python, Kotlin, JavaScript, TypeScript, C/C++, SQL, PostgreSQL, HTML, CSS, R, PHP
- **Frameworks & Libraries:** React, React Native, Node.js, Flask, FastAPI, Express.js, Material-UI, Vue.js, Angular, TensorFlow
- **Tools & Platforms:** Git, Docker, Firebase, Google Cloud Platform, AWS, Figma, Kubernetes, Linux, Pytest, JUnit, Azure, MongoDB