

Mohammad Shahab Kiyani

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EDUCATION

University of Massachusetts Amherst

Aug. 2022 – May 2026

Bachelor of Science in Computer Science

EXPERIENCE

Information Technology Intern

June 2023 – August 2024

Independent Pipe and Supply Corporation

Canton, MA

- Designed and implemented security groups within the active directory, streamlining permissions assignment for 120+ current and future employees
- Resolved 100+ tickets, providing technical support via diagnosing and resolving hardware and software issues
- Created 26 new documentation procedures on company protocols, establishing a future knowledge database
- Created 12 custom price books for customers featuring pricing on 25,000+ items each, influencing over \$150,000 in sales
- Deployed new servers across all 8 company branches across New England in collaboration with senior technicians

Undergraduate Research Assistant

June 2024 – August 2024

UMASS - Manning College of Information and Computer Sciences

Amherst, MA

- Collaborated with two undergraduate students under the mentorship of computer network security PhD to research membership inference attacks in federated learning
- Leveraged a web scraping tool to extract and process 60,000 data points across 8 datasets, visualizing results using Matplotlib
- Presented research findings through a poster presentation to an audience of 400+ students, faculty, and alumni, highlighting security vulnerabilities in federated learning

PROJECTS

HireMap - Job application Tracker | *JavaScript, SQLite, Express, Node.js* September 2024 – December 2024

- Collaborated with a team of 7 to develop a web application enabling users to track job applications efficiently
- Designed and implemented the Profile Page, allowing user data input, resume and cover letter uploads, and profile customization using JavaScript, HTML, and CSS
- Developed RESTful APIs using Node.js and SQLite to securely manage user profiles and application data

SpeakHire - Voice-based AI Interviewer | *React.js, Flask, OpenAI Api*

November 2024

- Collaborated on a voice-interactive AI interviewer that evaluates candidate responses based on company criteria
- Integrated real-time voice recognition using react-speech-recognition to capture user speech for feedback
- Utilized Axios to connect the frontend with backend AI grading systems for seamless data flow

Kiyani Ticketing | *React, MongoDB, Tailwind CSS*

June 2024 – October 2024

- Developed IT ticketing React web application, implementing user login, as well as ticket creation, deletion and management
- Utilized MongoDB Atlas for cloud-based data storage, ensuring scalable and flexible management of user data and ticket information
- Developed and implemented user and admin login functionality to ensure role-based access control and maintain segregation of duties

RELEVANT COURSEWORK

Data Structures and Algorithms, Object Oriented Programming, C Programming, Computer Systems Principles/Assembly, Discrete Mathematics, Linear Algebra, Web Development

SKILLS/ACTIVITIES

Languages: Python, C, JavaScript, HTML, CSS, Java

Frameworks and Tools: React, Next.js, Node.js, Github, Git, SQL, SQLite, MongoDB, Firebase Authentication, VS Code, XCode, Postman

Activities: UMASS Men's Rowing, Pakistani Student's Organization, CICSOFT (coding club)