Deepanshu Kaushik

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EDUCATION

Northeastern University **Boston, MA**
Khoury College of Computer Science September 2024 - April 2028
Candidate for Bachelor of Science in Computer Science, Minor in Business Administration GPA: 3.56/4.0
Relevant Coursework: Computer Systems, Object-Oriented Design, Introduction to Databases, Cloud Computing, Algorithms and Data, Foundations of Data Science, Fundamentals of Computer Science 1 and 2, Fundamentals of Cyber

COMPUTER KNOWLEDGE

Languages: Python, Java, SQL, JavaScript, TypeScript, HTML, CSS, C, Linux
Tools/Frameworks: React.js, IntelliJ, VS Studio, GitHub, Pandas, numPy

EXPERIENCE

Sports Media Inc. *June 2025 - August 2025*
Computer Science Intern (SaaS, SEO, AI)

- Supported the building of the front-end interface for an AI Voice Agent with a 15-20 person team
- Leveraged HTML, CSS, and JavaScript to develop the front-end
- Active participant in meetings three times a week with other team members to discuss ideas and implementation strategies

PROJECTS

OAKhoury Project - Database System *March 2024 - April 2024*

- Designed and implemented 140+ lines of a fully normalized relational database for a hypothetical firm that managed tree planting requests for a mock city (10+ normalized tables) that tracks requests to have a tree planted, user management, permits, and volunteers
- Curated an entity-relationship model, which turned into a SQL schema, and utilized the 3NF normalization
- Wrote complex SQL queries that return request statuses, monitor inventory, and make neighborhood-level planting statistics

Oasis Project - Maintenance Reporter/Tracker *September 2025 - November 2025*

- Designed and implemented a fully normalized relational database (10+ tables) for a tree-planting request management system
- Engineered a PostgreSQL issue lifecycle data model using enum types, timestamps, and foreign key constraints across six entities to ensure high data integrity and historical tracking
- Established user authentication and role-based access control (RBAC), correctly segregating access for three distinct user roles (e.g., reporters, maintenance, admin).
- Collaborated within a 6-person team to define system requirements, architect the database backend, and successfully launch the comprehensive Maintenance Reporter web application.

Research Paper - The Impact of Cybersecurity and AI on Businesses and Consumers *July 2023 - August 2023*

- Analyzed cybersecurity attack vectors on businesses and consumers, including a case study published in the Journal of Student Research
- Examined the dual roles of AI in both facilitating cyber threats and supporting cybersecurity defense tools

ACTIVITIES

Forge — Northeastern's Engineering Entrepreneurship Club *Product Lab Member | Codescape Project*

- Built a Java AST parser using Tree-sitter WASM, or more specifically, a VS Code extension that visualizes codebases as interactive 3D cities, extracting class metadata including methods, fields, and constructors
- Implemented in-memory caching and file watcher for real-time parse updates across a SCRUM team

Awards and Certifications: Amazon Web Services Certified Cloud Practitioner, Amazon Web Services Academy Graduate - AWS Academy Cloud Web Application Builder, AI in the Workplace Badge from Northeastern University