

DIKSHA VERMA

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EDUCATION

Master of Science in Computer Science University of Florida, Gainesville Analysis of Algo., Computer Network, Advanced Data Structures, Human-Centered Computing	Aug. 2021 - May 2023 GPA: 3.77/4.0
B.Tech. in Computer Science and Engineering Oriental Institute of Science and Technology, M.P., India Theory of Computation, Software Engineering, Data Structures, Operating Systems	Aug. 2017 - Jun. 2021 GPA: 3.5/4.0

SKILLS

Programming Languages: Java, JavaScript, TypeScript, GraphQL, Nest.js, Python, MongoDB, HTML, CSS, C#, SQL
Frameworks/Libraries: React.js, Node.js, Nest.js, Jest, Pandas, Matplotlib
Tools and Technologies: Linux, Visual Studio, Figma, AWS, Git, REST API, Azure, Postman, PostgreSQL

EXPERIENCE

Radian Group Inc. Software Engineer Co-op • Recompiled existing GraphQL and Typescript into Nest.js to make code compatible with new node versions. • Added Azure App Configuration to manage feature flag and documented it. • Documented the network flow of website for new-hire reducing redundancy of demo by 75%. • Addressed and filed the common errors experienced while running script in the local environment. • Provided the network flow of the website with attribute length, datatype, and value included.	May 2022 - Dec. 2022 <i>Gainesville, FL</i>
Comport Software Developer Intern • Successfully improved operational efficiency by conducting a comprehensive system analysis and recommending changes to existing policies and procedures, resulting in a 41% increase in productivity. • Demonstrated viable solutions by developing documentation, code comments, and clear code. • Programmed chatbot using Dialog flow increasing 70% accessibility and thereby reducing queries to 35%.	May. 2021 - Jul. 2021 <i>Bhopal, India</i>

RECENT PROJECTS

EasyCook (Human-Centered Computing) • Creating a web-based application aimed at generating recipes tailored to individual users' dietary needs and ingredient preferences, including calorie intake and dietary restrictions which will result in a 30% reduction in food waste. Tech: React, JavaScript, TypeScript, GraphQL, MongoDB, Spoonacular API, RESTful API	Feb. 2023 - Present <i>Gainesville, FL</i>
\$1 Algorithm Implementation (Human-Centered Computing) • Implementing the \$1 Algorithm which is an instance-based nearest-neighbor classifier using a 2-D Euclidean distance function, i.e., a geometric template matcher. It enables to recognition of uni-stroke gestures with 97% accuracy with 1 loaded template also extending the project with different gestures and its analysis. Tech: Python, Tkinter, ElementTree XML API, CSV, Excel, Matplotlib, GHOST Heatmaps	Jan. 2023 - April. 2023 <i>Gainesville, FL</i>
Event Planner (Software Engineering) • Designed a comprehensive web application for browsing, purchasing, and uploading event tickets. Implemented seamless integration between frontend and backend to enable real-time data transfer reducing page load time by 50%. Integrated Stripe as the payment gateway transactions. Tech: React.js, MySQLite, Go, Stripe, Git, CSS, MongoDB, Jest	Jan. 2022 - April 2022 <i>Gainesville, FL</i>
Peer-to-Peer file sharing software (Computer Networks) • Developed a P2P software similar to BitTorrent breaking file into small chunks. Used choking-unchoking mechanism and Java socket programming establishing TCP connection between peer and client. Tech: Java, TCP/IP, Java Socket Programming	Aug. 2021 - December 2021 <i>Gainesville, FL</i>