

Vinisha Venugopal

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EDUCATION

The University of Texas at Austin	Bachelor of Science, Electrical and Computer Engineering, Software Engineering	May 2020
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WORK EXPERIENCE

UT Austin – Magnetic Memory Research Assistant; Austin, Texas	November 2017- November 2018
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- Influenced professor to uptake project and initiated procedures for designing prototypes for magnetic tunnel junctions
- Collaborated with students to research and present published papers about magnetic memory and tunnel junctions
- Designed online representations of the magnetic tunnel junction using Clewin

Sieva Networks – Online Technical Support Agent; San Ramon, California	July 2018- Present
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- Assisted clients on a global basis by resolving GPS tracker technical questions and complications
- Administered clients' technical and financial questions and updated company's SIM database

ACADEMIC EXPERIENCE

Water Usage Monitor (Senior Design Project for Texas Instruments) - Android App, Java, C, Realm database	September 2019 - Present
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- Designed an embedded system connecting valves to microcontrollers and app enabling clients to control the water flow via app

Web App: Music Store (Personal Project for an Organization) - Node.js, Express.js, PUG, mongoDB, AWS	December 2019 - Present
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- Developed a server, created a NoSQL database through mongoDB and displayed the app using PUG with an admin and client side

Web App: Healthkick (Group Project) - CSS, Node.js, React.js, mongoDB, AWS	September 2019 - December 2019
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- Developed a server, queried through a database, created personalized user accounts and displayed the web app using React JS

Android App: DreamGreen (Personal Project) - Java, SQLite	July 2019 - September 2019
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- Programmed with Java for the backend, used XML to design frontend layout, and used SQLite database to store user information

Android App: Weather App (Partnered Project) - Java, JSON	September 2019
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- Programmed with JSON objects and Java to gather data from Google Maps and Dark Sky APIs and used XML to design frontend

Chat Application: (Partnered Project) - Java, JSON	May 2019
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- Programmed a chatting application using JSON objects, sockets, and servers and designed GUI using JavaFX

War: Designed and Coded a Two-Player Card Game - C++	December 2018
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- Created a card game through the use of object-oriented programming

Frogger: Designed and Coded a Handheld Video Game - Assembly, C	May 2017
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- Programmed microcontrollers with Assembly and C soldering the embedded system including LCD screen, audio jack and controls

Related Courses: Software Implementation I and II (C, C++, Java), Software Design and Implementation Lab, Operating Systems

SKILLS

Android Development, Java Development, Web App Development

Languages: Assembly, C, C++, Java, JavaFx, Javascript Linux, LabView, ARM architecture, HTML, CSS, Node.js, Express.js, PUG

Other: JUnit, mongoDB, AWS, Adobe Photoshop, Illustrator, Premiere Pro, InDesign, Dreamweaver, Microsoft Office

ACCOMPLISHMENTS

Leader, AYUDH Houston (Amma's Youth for Unity, Diversity, and Humanity - Volunteering Organization)	December 2015- Present
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Media Outreach, Net Impact Engineering (UT Volunteering Organization)	January 2018- May 2019
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Member, Women in Engineering	September 2017-Present
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Member, Engineering Chamber Orchestra (UT Austin)	January 2017 – May 2017
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