

Naveena Pandiarajan

Open to Relocation | +1 930 333 4074 | pandiarajannaveena@gmail.com | naveenapandiarajan.com | linkedin.com/in/na899

EDUCATION

Indiana University

Master of Science in Human-Computer Interaction Design

CGPA: 4.0/4.0; Coursework: Experience Design, Advanced Prototyping, Product Management, Information Architecture

Bloomington, Indiana

Expected May 2025

National Institute of Technology, Tiruchirappalli

Bachelors in Computer Science and Engineering

Relevant Coursework: Data Structures & Algorithms, Computer Architecture, Operating Systems, Internetworking protocols, Advanced DBMS Principles of Cryptography, Design and Analysis of Parallel Algorithms

Trichy, India

Jul 2017 – May 2021

WORK EXPERIENCE

Oracle

Applications Engineer

Hyderabad, India

Jul 2021 – Jun 2023

- Revamped Talent Review and Succession Management modules of Oracle HCM product by implementing RESTful APIs, multi-select features, and dynamic dashboards using Java, Oracle ADF, HTML/CSS, Javascript, VBCS, and Oracle SQL to improve UX for over 5,000 B2B customers, leading to higher customer satisfaction ratings
- Optimized the application performance through query tuning and code refactoring, which enhanced application responsiveness and reduced load times by 20% while actively participating in Agile development processes across global product teams with 15+ Engineers, Product Managers, and Designers

Amazon

Software Development Engineering Intern

Chennai, India

May 2020 – Jun 2020

- Developed a Proof of Concept for an end-to-end decoupled Fraud detection system with a 90.2% accuracy rate, utilizing AWS tools such as Lambda and Sagemaker to enhance security measures for Payfort's payment solutions while collaborating globally to ensure seamless integration into existing infrastructure

Tech Mahindra

Summer Intern - Web Development

Chennai, India

May 2020 – Jun 2020

- Developed a Proof of Concept using Blockchain Technology (HyperLedgerFabric) to optimize the Supply Chain Management process for Ford, resulting in improved efficiency and transparency in the automobile supply chain
- Built responsive UI features and implemented core functionalities by utilizing React.js, Material UI, and writing APIs and Chaincode logic, enhancing user experience and enabling seamless integration of blockchain technology with existing supply chain processes

PROJECT EXPERIENCE

IU-Luddy Autonomous Racing Team

UX Engineer

Bloomington, IN

December 2024 - Present

Developing and optimizing the Dashboard for autonomous racing vehicles, utilizing React JS, Redux, and D3.js to create real-time data visualizations and interactive interfaces using web socket-based communication between applications and race cars, ensuring seamless data flow and enhancing vehicle performance during high-stakes competitions

Community-computer interaction lab

Research Volunteer

Bloomington, IN

March 2024 - Present

Led a mixed-methods research on LinkedIn's job application experience, to understand parasocial interaction in the context of the Content Creator boom, aimed at designing features that improve the platform for 1 billion+ users

Healthwise(now Web-MD) - Sponsored Academic Project

User Experience Designer Extern

Remote, US

Jan 2024 – Apr 2024

Engineered the first digital teach-back process through comprehensive research and cross-functional collaboration, developing a patient-centric solution that improved engagement and comprehension for 15 million at-home care patients by reducing information complexity and streamlining healthcare provider interactions.

Spider R&D

Fullstack Web Developer

Trichy, India

Aug 2020 – May 2021

Led development of SCIEnT club's website using Node.js and AngularJS, created an admin dashboard for project management, and mentored 15 students annually in web development, supporting over 200 projects and improving operational efficiency

TECHNICAL SKILLS

Design, Research & Evaluation: User Interviews, Affinity Mapping, Contextual Enquiry, UX Design, UI Design, Journey Maps, User Flows, Affinity Mapping, Personas, Storyboards, Prototypes, Wireframes, Co-design workshops, Product Strategy and Roadmapping, Design Systems, Rapid Prototyping, Web Content Accessibility Guidelines, Usability Testing

Tools & Programming Languages: Figma, HTML, CSS, Javascript, PHP, React, Node.js, Angular, Java, Python, C++, SQL, Adobe CC, Git, Confluence, JIRA, Framer, Miro