

Prasanna Jonnadula

Fairfax, VA 22030

pjonnadu@gmu.edu

WWW: <https://www.linkedin.com/in/prasanna-jonnadula-31448b1aa/>

CAREER OBJECTIVE

Determined student studying in academic discipline and looking for related experience. Willing to listen and learn and excited to contribute in real-world environment to help find practical, actionable solutions for current needs. Proven impact through successful project coordination and team collaboration.

HONORS AND AWARDS

- Won **first prize** in a **36-hour hackathon** at Patriot Hacks for developing a **Smart Spending Bot**, a project sponsored by the **fiscal services**. The solution utilized innovative techniques and technologies including Python, Streamlit, Open AI, and Tableau (10/2024)
- Considering all my hard work, my manager and team leads have nominated me to Bright beginner award, on basis of that i have been rewarded **ACCENTURE CELEBRATION EXCELLENCE Award**. (06/2023)
- Got **Second Rank in Third Year** of B.Tech Semester End Examinations (10/2021)
- Received **Scholarship** worth ₹60,000 from North South Foundation (NSF) for getting best rank in AP EAMCET. (07/2018)

EDUCATION

George Mason University — Virginia, USA

Master of Science Computer Science

- GPA - 4.0/4.0

EXPERIENCE

Application Developer, 10/2022 — 12/2023

Accenture

- Developed UI components using ReactJS and JavaScript, integrating them with server-side logic via NodeJS and Django.
- Conducted interviews with users to gather feedback on existing designs and proposed solutions. Optimized the existing web application performance by refactoring HTML5, CSS3, and JavaScript code, and improving page load times through efficient DOM manipulation and asset optimization.
- Tested cross-browser compatibility across various browsers such as Google Chrome, Firefox, Safari.
- Integrated third-party APIs into web applications for seamless data exchange between systems, using RESTful APIs.

Program Analyst Intern, 02/2022 — 08/2022

Cognizant Technology Solutions

- Analyzed user requirements and developed detailed system design specifications, implementing them using HTML5, CSS3, JavaScript, and ReactJS.
- Redesigned and implemented complete web applications to meet industry standards, focusing on responsive design with Bootstrap, and performance optimization.
- Created reusable UI components using ReactJS and JavaScript, integrating them into multiple projects for consistency and maintainability.

PROJECTS & RESEARCH EXPERIENCE

- **IOT BASED SMART IRRIGATION MOTOR SYSTEM, 10/2021**, Farmer can handle actions of irrigation motor through his mobile phone. A Camera input is provided to monitor the working of Water Pump. Notifications are sent to the mobile phone in case of Power cuts and Power ins.

Undergraduate Thesis: *"Internet of Things Based Smart Irrigation Motor System"*,

URL: <https://ieeexplore.ieee.org/document/9591925>

- **Prediction of Population Density & Poverty Rate Using Uncertain Mosaics with Satellite Imagery, 01/2022 - 06/2022**, For data poor regions it is very difficult to analyze and predict their poverty rate, elevation and population density. This project focus on the problem of predicting properties of small regions like population density at a single time period, using high-resolution daytime satellite imagery as the only input.

Undergraduate Thesis: *"Prediction of Population Density & Poverty Rate Using Uncertain Mosaics with Satellite Imagery"*.

URL: <https://ijisae.org/index.php/IJISAE/article/view/2356>

- **Kaiser Permanente - Hospital in USA, 12/2022 - 01/2023**, Successfully integrated complex data from Oracle databases, ensuring seamless access for Tableau visualization. Created high level interactive Tableau dashboards that provided insights to clients, improving data accessibility and understanding.
- **Smart Budget Bot - Fiscal Services in USA, 11/2024 - Present**, The goal of enabling common people and non-experts to interact with government spending data can serve as a significant source of inspiration. LLMs can be used to democratize data access by translating technical legalese or opaque financial concepts into understandable English explanations when combined with the available datasets. To make it more understandable we use Tableau visualization by connecting it to sql.

URL: <https://devpost.com/software/smart-budget-bot>

SKILLS

- C, Java, Python, and JavaScript, R
- HTML5, CSS, JavaScript, ReactJS, XML
- Node.js, Django, Streamlit
- RESTful APIs, User Interface Design, Data Validation
- SQL, Oracle, NoSQL
- Tableau, Power BI, QlikView, Qlik Sense.
- Azure Fundamentals
- Computer Networks, Artificial Intelligence, ML, and IOT
- Business Intelligence

CERTIFICATIONS

- Microsoft- AZ-900 Azure Fundamentals
- Cisco Networking Academy- PCAP: Programming Essentials in Python
- NPTEL - Introduction to R software
- CISCO- Devnet Associate
- Coursera- Mathematics for Machine Learning: PCA, AI For Everyone, Database Systems
- Accenture- Data Stage + Tableau, SQL, Oracle