

# Manas Kumar Rai

## Computer Science (MS)

Sterling, VA

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### SUMMARY:

Highly skilled Front-End Developer with a Master's in Computer Science & Engineering from Santa Clara University. Proficient in web development, MEAN stack, cloud integration, UX, algorithms, and databases. 2+ years of experience in developing web applications using Angular Framework. A fast learner with a passion for continuous growth and delivering value-based results.

### EDUCATION:

#### Master of Science in Computer Science & Engineering,

Santa Clara University, California, USA (Graduated March 2023), CGPA: 3.70

**Key Course Work:** Design and Analysis of Algorithms, Operating Systems, Database Systems, Machine Learning, Advanced Database Systems, Distributed Systems, Human Computer Interaction, Web Development

### TECHNICAL SKILLS:

**Programming:** Python, C++, R

**Web Technologies (Front End):** Angular 14, HTML5, CSS3, JavaScript, TypeScript, jQuery, Bootstrap, React, JSX

**Web Technologies (Back End):** Node.js, Nest.js, MongoDB, MySQL, Oracle 11g, Hadoop, HiveQL

**Version Control:** Git, Tortoise Git, Git Bash, **IDE:** Visual Studio Code, IntelliJ, Sublime Text

**Methodologies:** CI/CD Pipeline, JIRA, Agile/Scrum Methodologies, **Testing/Debugging:** Jasmine, Karma, Jest

**Certifications:** [Microsoft Azure](#) (AZ-900), [Python Masterclass](#), [Machine Learning](#), [Jira + Confluence](#)

### WORK EXPERIENCE:

**MEAN Stack Developer | Antra Inc., Sterling, VA | April 2023 – Present**

Assigned to developing the front-end for a question bank application built using Angular 14, implemented the bookmark features, login and register components utilizing **JWTs**, as well as displaying questions from database (MongoDB) using **REST API's**.

**Engineering Intern | Contentstack LLC, San Francisco, CA | June – September 2022**

Developed an analytical dashboard for Contentstack to provide insight into app usability metrics using Angular 14, **RxJS libraries** such as **WebSockets** as well as charts using **D3.js** and Agile workflows. Collaborated with core design team and utilized Jira and Confluence for Sprint planning.

**AIML Intern Engineer | UXP Digital Lab, Wipro Ltd., Electronic City, Bangalore | July – October 2019**

Developed a resume parsing application capable of extracting data from various resume formats (e.g. PDF, DOCX) and storing it in a database for further analysis. Created a user-friendly interface using **React** and incorporate data visualization tools such as **Charts.js** to enhance user experience

### ACADEMIC PROJECTS:

**Human Computer Interaction: Shared Portal for Accessible Housing – Fall 2022:** Developed a shared portal ticketing system to enhance student hostel accommodation requests at SCU using Figma for UI design, and MEAN stack (MongoDB, ExpressJS, Angular, NodeJS) for the application

**Yelp Database Query generator - Fall 2021:** Developed a Yelp Database Query generator with over a million entries parsed, using REST API's to generate Database queries from a checklist, designed frontend with Angular to connect with Oracle 11g database