MANISH CHANDRAKANT PATIL

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EDUCATION

Master of Science in Computer Science (SE Track)   **Anticipated Graduation: December 2023**
- California State University Dominguez Hills, Carson, US

Bachelor of Engineering, Instrumentation   **October 2020**
- Ramrao Adik Institute Technology, University of Mumbai, India

WORK EXPERIENCE

Engineering Technician, Fab Lab CSUDH - Carson, US   **August 2022 - Present**
- Daily responsibilities include assisting with maintenance and upkeep of machines and softwares. Also, set-up and break-down of learning stations on-site or off-site.
- Executing and Managing fabrication technology projects with the intent of promoting new knowledge and research with an emphasis on serving communities that are underrepresented in STEM disciplines.
- Perform post processing of 3D models. Ensured supply of 3D printing materials & tools.

Data Annotator/Analyst, Yali Inc. - Chennai, India   **September 2020 - March 2021**
- Worked with the Data Annotation team, responsible for data generation for building NLP models.
- Responsible for generating a massive knowledge base for training automated chat systems (chatbots) to answer domain specific queries from customers with minimal retraining.
- Utilized **BeautifulSoup** and **Selenium** for the data extraction tasks.
- Generated 25000 NLP Annotations using Doccano tool.

ACADEMIC PROJECTS

Food Order App (React.js Web App)   **March 2022**
- Developed a food ordering app using **MERN Stack technologies**: React, MongoDB, Next.js, Express.js
- Added features like: Add-Remove items from Cart, Fetching a component via HTTP, Adding form Validation, Moving data to backend, Adding a checkout form, Submitting and Sending Cart Data.
- Demonstrated use of RESTful services to manipulate data on servers and deployed App to GitHub.

Weather App (Node.js Web App)   **December 2021**
- Developed a **full stack web application** for weather updates. Implemented a callback function and accessed API from the browser.
- Created a search form, served static assets and built a JSON HTTP endpoint then deployed application to Heroku and GitHub.

Arduino Based Projects:
- **Line Following Robot**   **February 2019**
  Sensing a line and maneuvering the robot to stay on course while correcting wrong moves using feedback mechanisms.
- **Voice Controlled Car**   **November 2019**
  A voice control robot is just a practical example of controlling motions of a simple robot by giving daily used commands.

TECHNICAL SKILLS
- Java, Python, JavaScript, HTML, CSS, React.js, Node.js, Next.js, Express.js, PHP, SQL, Git, REST, Eclipse, Visual Studio Code, Apache Spark, Linux, Open CV, Pandas, MongoDB, MySQL, PostgreSQL.

RELEVANT COURSEWORK
- **CS Bridge Program**: Data Structures|Discrete Mathematics|Compiler Construction|Finite Automata.
- **Master's Program**: Design and Analysis of Algorithms|Advanced Software Engineering| Artificial Intelligence and Expert Systems|Fundamentals and Concepts of Programming Languages| Human Computer Interaction|Software Quality Assurance.

ACCOMPLISHMENTS
- **Lead** an event and demonstrated all the **Fab Lab** technologies at **GMIS** Conference in Pasadena.
- **Event Head** at technical event **TECH-KNOW QUIZ** organized by International Society of Automation(ISA)
- Member of **Rotaract Club Of Panvel Industrial Town** Rid 3131.
- Won **Second Prize** in Inter college football tournament.
- Secured **third position** in the second division **Mumbai District Football Association** tournament.