

Pranava Kailash Subramaniam Prema

Data Scientist

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PERSONAL STATMENT

A passionate **Data Scientist** who enjoys challenging problems dealing with data; I really believe in a **team-oriented environment** alongside collaboration with **cross-functional teams**, developing **data-driven solutions**. Proficient in **Python, SQL, NLP, TensorFlow, and AWS**, applying my skills in a high-paced setting which empowers the drive to make sensible business decisions using the insights from data.

SKILLS

- **Technical Skills:** Python, SQL, TensorFlow, Scikit-learn, and AWS. Experienced in automation, data scraping (Selenium, BeautifulSoup), version control (Git, GitHub, GitHub Actions), LLMs, and API development
- **Data Science & Development:** Data analysis, Machine learning, Clustering, Regression, NLP, LLMs, Knowledge of Agile methodologies, Data governance, and Cloud computing
- **Soft Skills:** Strong communication, Teamwork, Collaboration, Problem-solving, and Time management skills. Adaptable and growth-oriented with leadership experience

WORK EXPERIENCE

Data Researcher/Engineer | Fleet Street Research, UK | Remote, India

October 2022 - January 2024

- Automation of data extraction with Python-based web scraping scripts, reducing manual entry time by **50%**
- Improved data processing workflow by optimizing internal Python libraries, improving operational efficiency by up to **10%**
- Smoothened the process of **image importation** into DB, hence enhancing data quality
- **Developed and optimized data pipelines** for large datasets using Python, ensuring reliable **migration** across systems (SQLite, MySQL) with zero data loss or downtime
- Ensured efficient database transition, with **minimum generation of bugs** and ensured system performance

Data Scientist | Yoshops.com - Internship | Remote, India

February 2022 - April 2022

- Automated data collection through web scraping tools, increasing real-time pricing accuracy by **40%** and improving product performance insights
- Built machine learning models for price prediction, enhancing forecasting accuracy by **20%** through data analysis and market trends
- Developed a **90%** accurate Deep learning model for osteoarthritis detection using **VGG16**, optimizing feature extraction in medical applications

Data Scientist | Forsk Coding School - Internship | Remote, India

March 2021 - June 2021

- Conducted in-depth **Sentiment analysis** on customer reviews using **Natural Language Processing (NLP)**, finding key areas for product improvement
- Engineered a **cloud-based ML solution** on **AWS** to analyse large-scale sentiment data, providing real-time insights for business decision-making
- Developed and deployed **scalable machine learning models** on **cloud platforms (AWS)**, ensuring efficient data processing pipelines
- Leveraged statistical and machine learning techniques to extract **business insights** from unstructured datasets, providing valuable recommendations to stakeholders

EDUCATION

MSc in Data Science | University of Surrey, Guildford, London

BE in Computer Science and Engineering, First Class (9.5 CGPA) | SNS College of Technology, India

EXTRACURRICULAR ACTIVITIES

- **Founder, REGEX-CSE Club** – Organized **40+ workshops and webinars** for students on innovation in computer science
- **Competitions** – Won **2 Ideation** events, highlighting creative problem-solving and collaboration
- **Treasurer** – Managed funds (**~£500**) for college events, ensuring budget compliance and event success
- **Centre For Creativity Award** - Honoured for outstanding contributions to innovative thinking under design thinking framework