Medant Sharan

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Skills

Languages: C++, Python, Java, Scala, React.js, Node.js, JavaScript among others

Education

King's College London   *Sept 2022 – May 2025*
BSc. (Hons) in Computer Science – First Class (Expected)

Experience

Machine Learning Intern   *March 2025 – Present,*
theKUSP   *London, UK*
- Built a CV-to-job matching system using state-of-the-art NLP techniques and transformer-based LLMs.
- Achieved 85% accuracy using **RAG**-based retrieval with custom fine-tuned embeddings.
- Integrated the matcher into the Kusp Hub with a front-end in **React**.

Teaching Assistant   *Sept 2024 – Present,*
King's College London   *London, UK*
- Delivered tutorials for modules including Logic, Databases, and Data Structures to 100+ students.
- Mentored students and facilitated collaborative problem-solving outside classroom hours.
- Received consistently high student satisfaction scores in feedback forms.

External Researcher   *Aug 2024 – Present,*
IIT Patna   *Bihar, India*
- Conducting ML-based research on competitive multi-agent systems using **Python** and **PyTorch**.
- Focused on simulating cultural reasoning and reinforcement dynamics in adversarial games.
- Applied modules like transformer encoders and policy gradients for cross-cultural strategy modeling.
- "Let's Play Across Cultures...", ACL ARR, Feb 2025, (Submitted)
- "Reinforcing Competitive Multi-Agents..." ↗, IEEE Transactions on Games, (Submitted)

ML & Software Intern   *June 2024 – Sept 2024,*
AquaZoo Consulting   *London, UK*
- Boosted wildlife image classification model accuracy by 30% using **TensorFlow** on **AWS SageMaker**.
- Built cross-platform components in **React Native** and integrated into production.
- Collaborated via Agile practices using **Jira** and version control with **Git**.

Frontend Intern   *June 2024 – Sept 2024,*
theKUSP   *London, UK*
- Developed responsive UI components using **React** and **Tailwind CSS**.
- Integrated open-source packages like **ShadCN** to build a design-consistent interface.

Undergraduate Research Fellow   *June 2023 – Aug 2023,*
King's College London   *London, UK*
- Selected in top 20% applicants and awarded a research grant of £1000.
- Conducted ML research on cybercrime detection using real-world datasets and **Python**.
- Presented findings in academic poster showcased to researchers across London universities.

Societies and Hobbies

KCL Technology Society: Led workshops on C++/Java for competitive programming and interviews.
Indian National Students Association (KCL): Co-founder and Vice-President (2023–24).
KCL Hindu Society: Committee member, organized events for 300+ attendees.
Atomic Chess: Ranked in the top 8% globally.