

Nandan Grover

Founding Software Engineer

✉ nandangrover.5@gmail.com

☎ [+44-7776651069](tel:+44-7776651069)

🌐 www.nandangrover.com

in [linkedin.com/nandangrover](https://www.linkedin.com/nandangrover)

🐙 github.com/nandangrover

M medium.com/@nandangrover

EDUCATION

Masters in Artificial Intelligence

University Of Aberdeen
2022 - 2023

BE - Computer Science

Bharati Vidyapeeth College of Engineering
2014 - 2018

HONOURS/AWARDS

MEDIDATA - Heroic Encore Award for Architecting Autoscaling gem (2021)

DASSAULT SYSTÈMES - Genius Award for Architecting Autoscaling gem (2021)

SKILLS

Programming (GO, Java, Python, PHP, JavaScript, Ruby, HTML5, CSS, Prolog & Typescript)
Frameworks (React.js, Vue, Node, Electron & Ruby on Rails, Node.js, jQuery)
Python (Fast Api, Flask, Numpy, Pandas & Matplotlib)
Machine Learning/AI (fastai, TensorFlow, Keras, Pytorch, scikit-learn, Tensorboard & Mlflow, Deep Learning, Computer Vision)
Development Tools (Docker, Git, Jenkins, Eclipse, Jupyter Notebooks, Visual Studio and Pycharm)
Databases (MongoDB & MySQL)
Cloud services (AWS, GCP, Render and Heroku)

CAREER PROFILE

As a highly skilled and experienced AI professional, I am passionate about applying cutting-edge AI/ML techniques to solve real-world industry challenges. With 4 years of experience in software development and a strong understanding of AI and Machine Learning, I have a proven track record of developing innovative algorithms that have successfully addressed complex problems. My expertise in developing AI systems and predictive models has been demonstrated in multiple organizations, making me well-equipped to tackle challenges in various industries.

PROFESSIONAL EXPERIENCE

Founding Software Engineer

AllotMe, London

05/2022 - Present

- Designed and developed a highly efficient FAQ bot by utilizing GPT architecture and Django framework, and incorporating NLP techniques to deliver accurate responses.
- Enhanced the user experience on the app homepage by implementing a geolocation search and recommendation system.
- Played a key role in driving a monthly user growth rate of over 20% and an average MAU rate of 23%.
- Built the cloud and microservices infrastructure for AllotMe Marketplace in AWS and RoR, laying a strong foundation for its success.

R&D Engineer and Team Lead

Dassault Systèmes, Pune

10/2020 - 12/2021

- Analyzed health-related data clusters in Medidata using Jenks and K-Means algorithms, resulting in improved insights and more informed data-driven decision-making.
- Designed and implemented a robust authorization system that enables token-based authentication for applications using OAuth.
- Displayed exceptional leadership and project management skills by leading a team of 10 in the development of the System for Cross-domain Identity Management (SCIM).
- Optimized system performance by developing a uniform approach to autoscaling across services that incorporated important factors such as CPU usage and throttling times. As a result, AWS costs were reduced by an average of 12% for over 6 services.

Software Developer and Team Lead

MITR Learning and Media, Mumbai

06/2018 - 10/2020

- Skilfully lead the development of a mission-critical application for Curriculum Associates, allowing for seamless editing of content tailored for K-12 students. Implemented custom filters and an interactive UI, resulting in significant cost savings through automation.
- Demonstrated technical expertise and efficiency as a sole developer, delivering multiple projects for various high-profile companies such as Philips, IKEA, Chevron, and Korn Ferry.
- Developed engaging E-Learning Games utilizing Canvas and D3.js to enhance user experience and increase learning retention.

Cybersecurity Intern

Reliance Industries Limited, Mumbai

06/2017 - 07/2017

Researched and help test Mokescreen (Deception technology) to prevent data theft.

PROJECTS HIGHLIGHT

Analysing Student-Tutor Dialogues during Second Language Learning - As part of my MSc AI course, my thesis project aimed to enhance educational discourse by exploring how linguistic alignment between teachers and students influences their interactions. Through analyzing data from the TSCC corpus, the project successfully predicted student proficiency levels, identified and categorized linguistic errors, and developed an automatic tutor generation system.

Lasso regression and Hyperparameter tuning using sklearn - Developed a body fat prediction model using lasso regression and hyperparameter tuning. For more details, read the blog post: medium.com/@nandangrover/lasso-regression-and-hyperparameter-tuning

Reinforcement Learning in 10x10 FrozenLake - Used Q-Learning and Deep-Q Learning to solve the 10*10 FrozenLake Environment. For more details, read the blog post: medium.com/@nandangrover/a-deep-dive-into-reinforcement-learning

AllotMe v1.1 Launch - Introducing a New Listing Method on AllotMe, which resulted in a significant increase of over 30% in monthly listings. Read more about it here: about.allotme.co.uk/post/introducing-allotme-v1-1