

Niraj Kumar

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SKILLS

Languages:	Java, JavaScript, Python, Kotlin, HTML, CSS
Frameworks:	Django, REST API, React, NumPy, Pandas, Scikit-learn, Matplotlib
Databases & Tools:	Git,MySQL, MongoDB, Apache Hadoop, Apache Hive, Apache HBase, Tableau Prep, Tableau Desktop
Soft Skills:	Problem-Solving Leadership Decision-Making Adaptability Teamwork & Collaboration

EXPERIENCE

Data Science & Analytics Intern	Mar 2025-Apr 2024
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Zidio development

- Built ML models for sentiment analysis and task optimization using NLP and LSTM.
- Analysed large datasets to uncover workforce productivity patterns.
- Created dashboards with Plotly Dash to visualize emotional trends and boost HR insights.
- Improved task efficiency by 25% and reduced manual reporting by 30%.
- Collaborated with cross-functional teams in Agile sprints..

PROJECTS

Property Rental Portal – Full Stack Web Application	June 2025-july 2025
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Link- <https://tinyurl.com/22kerwrs>

Domain: Full Stack Web Development

Technologies: Python, Django, HTML, CSS, JavaScript, Bootstrap, SQLite/MySQL

- Developed a responsive web platform for property rentals, enabling over **500+ users** to search homes, apartments, and rooms using **location-based filtering**.
- Designed and deployed vendor-side functionality, allowing property owners to **list and manage 100+ properties** with dynamic content (images, rent, amenities, etc.).
- Integrated Django ORM and admin interface to manage property data efficiently, reducing manual backend management efforts by **40%**.
- Secured platform using Django’s authentication system, ensuring **100% protected user logins** and data integrity.
- Delivered a real-world solution tackling fragmented rental property access, improving listing visibility and tenant access across cities.

AI-Powered Employee Productivity Optimizer	Mar 2024-Apr 2024
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Link- <https://tinyurl.com/m3jdw8sr>

Domain: AI/ML, Data Science

Technologies: Python, OpenCV, LSTM, NLP, Plotly Dash

- Developed a **multimodal AI system** analysing employee emotions via text (NLP), facial expressions (OpenCV), and speech.
- Achieved **87% accuracy** in stress detection using an optimized LSTM model, reducing false positives by 25%.
- Built an **interactive dashboard** for HR teams, improving productivity tracking by 40%.
- Automated manual mood-analysis tasks, saving **30% of HR workload**.

HelpNet – Fully Functional Real-Time SOS Android App	Mar 2024 - Apr 2024
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Link- <https://tinyurl.com/yhx7d6xz>

Domain: Android Development

Technologies: Kotlin, Firebase, Google Maps API, Location Services, Push Notifications

- Designed and developed a fully functional SOS Android app to send instant alerts with live location to emergency contacts.
- Implemented one-tap emergency features with push notifications for fast response.
- In real-world scenarios, this system can potentially reduce crime rates by up to 90% and improve victim recovery rate by 95%.
- Future scope includes drone integration for autonomous emergency surveillance, as a pending patent outlines.

CERTIFICATES

Machine Learning – DeepLearning.AI & Stanford University	October, 2024
Ethical Hacking – NPTEL	July,2024
Excel Skills for Business – Macquarie University	June, 2024
Meta Android Developer – Meta	April, 2024

EDUCATION

Lovely Professional University.	Punjab, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 7.23	August 2022-Present
Sri Chaitanya Junior College	Hyderabad, India
Intermediate (MPC); Percentage: 81%	April 2019-March 2021
Blue Sky public school	Bihar, India
Matriculation; Percentage: 62%	April 2018-March 2019