Shivraj Anand
Fresher Student

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Profile

Final-year Computer Science Engineering student with a current CGPA of 8.63 and strong hands-on experience in Python, machine learning, and data analytics. Built 9+ end-to-end tech projects, secured AIR 8532 in GATE 2024 (CS), and actively contributed to campus startup and coding communities. Currently exploring Natural Language Processing (NLP), with a growing interest in research and applications in language models and deep learning. Eager to contribute to impactful roles in data science, machine learning, or software development.

Areas of Expertise

•Python Programming • Machine Learning • Natural Language Processing (NLP) • Data Analysis • Visualization • Deep Learning • PyTorch • Scikit-learn • Transformers • Web Development (HTML, CSS, JavaScript, React, Flutter, Django) • Git • GitHub • Algorithm Design • Problem Solving • Research • Technical Writing

Education

B.Tech in Computer Science and Engineering *2021–2025*
B.P.M.C.E., Madhepura　—　CGPA: 8.63
Relevant Subjects: Data Structures & Algorithms, DBMS, ML, NLP, OS, Computer Networks
Achievements: Branch Topper in 1st, 2nd, and 3rd year; GATE'24 CS, GATE'25 CS,DA Qualified

Higher Secondary Certificate (12th Grade) *2018–2020*
Kendriya Vidyalaya, Jamalpur　—　94.4%
Subjects: Physics, Chemistry, Mathematics, Computer Science
Achievements: 2nd rank in school in 12th board exams

Secondary Certificate (10th Grade) *2017–2018*
Kendriya Vidyalaya, Jamalpur　—　90%
Subjects: General Science, Math, English, Social Science, Hindi
Achievements: 2nd rank in school board exams

Projects [View all]

- **Autocorrect System** — NLP, Language/Channel Models (7th Sem Minor Project)
  Implemented spelling correction using probabilistic models for text decoding. [Blog] [Kaggle]

- **Next Word Recommender System** — NLP (2024)
  Built a next-word prediction engine using bigram and trigram probabilistic models. [Blog] [Kaggle]

- **Machine Learning Course Website** — HTML, CSS, JavaScript (2024)
  Designed and deployed a beginner-friendly machine learning tutorial website. Covered concepts like supervised learning, regression, and classification through blog-style lessons. [LIVE]

- **Housing Sales Data Analysis** — Machine Learning (May 2023)
  Performed data preprocessing, visualization, and model building on housing datasets. [Kaggle]

- **Smart Task Manager** — Python, Tkinter, GUI
  A desktop-based task management system built with Python and Tkinter. [Github]

- **Random Password Generator** — HTML, CSS, JavaScript
  Web app that generates passwords using randomness derived from the Collatz Conjecture. [LIVE]

- **Gate College Finder'25** — Python, Streamlit, Pandas (March 2025)
  Built and deployed a web app which can give you a set of colleges for PG programs based on you GATE Score and other filters using CCMT 2024 counselling data. [LIVE]

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Professional Experience

Student Representative   **Madhepura, Bihar**
Startup Cell, BPMCE, Madhepura   *10/2023–present*

- Developed strategic plans for campaigns across email, social media and display advertising.
- Organized 30+ events, increasing student engagement in entrepreneurship.
- Mentored local startups under the Startup Bihar Policy 2022.

Online Courses & Certifications View all

- Natural Language Processing — Internshala (Mar 2025) — Scored 90%
- NLP Training Completion — NSDC (Mar 2025) — Grade: A
- Data Science Internship — Innovate Interns (Nov 2024 – Jan 2025)
- Data Science — Internshala (Ongoing)
- Programming, DSA using Python — NPTEL (Jan–Mar 2024) — Top 2%
- Database Management Systems — NPTEL (Jul–Sep 2024) — Top 2%, Score: 79%
- C, C++, Java, Python — Spoken Tutorial (2023–2024)
- Programming in C and C++, DSA — Internshala (2023)
- Machine Learning — Internshala (Mar–May 2023)
- Introduction to Cybersecurity — Cisco (Apr 2023)
- NDG Linux Unhatched — Cisco (Jul 2023)
- Salesforce Developer Virtual Internship — Salesforce (Jan 2024)
- Digital Productivity — NIIT Foundation (Dec 2024)

Skills

- **Programming Languages:** Python, C, C++, JavaScript
- **Web & App Development:** HTML, CSS, React.js, Flutter, Django
- **Machine Learning:** Scikit-learn, Pandas, Numpy, Matplotlib
- **NLP:** Transformers, SpaCy, Regex
- **Data Visualization:** Power BI, Excel, Matplotlib, Seaborn
- **Tools:** Git, GitHub, Jupyter, Google Colab, VS Code
- **Soft Skills:** Communication, Teamwork, Event Management, Research Mindset

Honors & Distinctions

GATE 2024 AIR 8532 • Top 2% in NPTEL DBMS & DSA • Branch Topper in B.Tech. (1st–3rd Year) • GATE 2025 AIR 4883(DA), AIR 8357(CS)

Languages

•Hindi (Native), •English (Fluent), •German (Basic – Learning)