

# 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: 1<sup>st</sup> rank (Branch Topper) in 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> year; AIR 8532 in GATE 2024 (CS)

### Higher Secondary Certificate (12<sup>th</sup> Grade)

2018–2020

Kendriya Vidyalaya, Jamalpur — 94.4%

Subjects: Physics, Chemistry, Mathematics, Computer Science

Achievements: 2<sup>nd</sup> rank in school in 12<sup>th</sup> board exams

### Secondary Certificate (10<sup>th</sup> Grade)

2017–2018

Kendriya Vidyalaya, Jamalpur — 90%

Subjects: General Science, Math, English, Social Science, Hindi

Achievements: 2<sup>nd</sup> 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. [\[LIVE\]](#)
- **Personal Portfolio Website** — HTML, CSS, JavaScript (Feb 2024)  
Built and deployed a responsive personal portfolio in 2 days, integrating AI-assisted design. [\[LIVE\]](#)

## Professional Experience

### Student Representative

Startup Cell, BPMCE, Madhepura

Madhepura, Bihar

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)

## Languages

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