

**Shivraj Anand**  
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**"Highly motivated and results-oriented engineering student with expertise in programming, data analysis, and research. Adept at applying computational and analytical skills to solve real-world challenges and develop innovative solutions in technology-driven domains."**

## PERSONAL DETAILS

**D.O.B:** 2<sup>nd</sup> October 2002

**Nationality:** Indian

**Guardian:** Smt. Bandana Kumari (Mother)

**Gender:** Male

**City:** Madhepura/Patna

## EDUCATION

**B.P Mandal College of Engineering, Madhepura**

Bachelor of Technology (Computer Science Engineering) | CGPA (current) - 8.63

2021 - 2025

**Kendriya Vidyalaya, Jamalpur**

Higher Secondary Certificate | Examination Score - 94.4% (2<sup>nd</sup> rank)

2018 - 2020

**Kendriya Vidyalaya, Jamalpur**

Secondary Certificate | Examination Score - 90% (2<sup>nd</sup> rank)

2017 - 2018

## WORK EXPERIENCE

- 1. Campus ambassador of ISAC, Bangalore at BPMCE Madhepura** *February 2022 – August 2022*
- 2. Student Representative – Startup Cell, B.P.M.C.E., Madhepura** *January 2023 - [Present]*
  - As a Startup Cell Coordinator, I educated on government support, organized cross-college events, and lobbied managed events both intra college and inter-college.
  - Got invited in various founder's meet and also many Startup Bihar state level events.
  - Increased student engagement and applications for government programs, boosting entrepreneurship and success rates.
  - Managed social media as the social media handler
  - Other skills: Data handler, social media manager, event management, public speaking
- 3. Volunteer – Coding Club, B.P.M.C.E., Madhepura** *April 2022 - [Present]*
  - Volunteered at the coding club, teaching coding basics, problem-solving skills, and fostering a passion for technology among members.
  - Organized coding challenges and hackathons, promoting teamwork and skill development.
  - Helped students gain confidence, enhancing their coding proficiency and preparing them for real-world tech challenges.
- 4. Volunteer, Core committee, Abhyuday, Kosi Division Level Sports Meet, BPMCE, Madhepura**
  - 17 December to 22 December 2023
- 5. Volunteer, Core committee, UMANG, Intra College Sports Event, BPMCE, Madhepura**
  - 25 November to 29 November 2024
- 6. Internship, Innovate Interns, Data Science and Analytics, 25 November 2024 – 6 January 2025**
  - *Project:* Chroma Sense: A Data-Driven Approach to Colour Detection and Analysis

## PROJECTS [[Click to view detail](#)]

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1. Library management system in Python (**December 2021**)
2. Responsive chatbot in Python 'My Assistant' (**September 2022**)
3. Machine Learning and Data Analytics on 'Housing Sales Dataset' (**May 2023**)
4. Mathematical and analytical research "Collatz Conjecture" (**ongoing**)
5. Result Analysis and Progress report generator using Python (**Jan 2024**)
6. Developing an NLP application leveraging advanced preprocessing techniques and machine learning models for sentiment analysis. Tools: Python, Scikit-learn, NLTK, Pandas.
7. Chroma Sense: A Data-Driven Approach to Colour Detection and Analysis (**25 November 2024 - 6 January 2025**)
8. Analysis of text data using Transformers & PyTorch. (**ongoing**)

## CERTIFICATIONS [[Click to view detail](#)]

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1. Certificate of appreciation in **Data Science course**: (17 August 2020 – 4 September 2020)
2. **Techno Workshop Series'23 at IIT PATNA in "Artificial Intelligence"** (January 2023)
3. **C training, spoken tutorial**, 17<sup>th</sup> January 2023
4. **C++ training, spoken tutorial**, 27<sup>th</sup> January 2023
5. **Introduction to cybersecurity, Cisco Networking Academy**, 16 April 2023
6. **Machine Learning** Intern Shala Trainings, online (March 2023 – May 2023)
7. **Advanced C++ training, spoken tutorials**, 30<sup>th</sup> May 2023
8. **Data Structures & Algorithms** Intern Shala Trainings, Online
9. **Programming in C and C++** Intern Shala Trainings, Online
10. **NDG Linux Unhatched Certificate**, Cisco, 21 July 2023
11. **Salesforce Developer Virtual Internship**, Salesforce, January 2024
12. **Python Training, Spoken Tutorial**, 19 February 2024
13. **Introduction to blockchain** webinar by Skill Darpan
14. **Programming, Data Structures & Algorithms using Python** [Jan - Mar 2024]
15. **NPTEL: Database Management System** [July-September, 2024. AIR top2%, 79%]
16. **Java training, spoken tutorial**, 19<sup>th</sup> February 2024
17. **Digital Productivity** by NIIT Foundation, December 25, 2024
18. **Internship, Innovate Interns**, Data Science and Analytics, 25 November 2024 – 6 January 2025
19. **Intern Shala: Natural Language Processing**: (Ongoing)
20. **Intern Shala: Data Science**: (Ongoing)

## AWARDS & ACHIEVEMENTS

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1. 2<sup>nd</sup> rank in Kendriya Vidyalaya in class 10<sup>th</sup> board exams
2. 2<sup>nd</sup> rank in Kendriya Vidyalaya in class 12<sup>th</sup> board exams
3. 3<sup>rd</sup> rank in district of Mentor's Eduserv Exam (2020)
4. Secured a seat in Prime minister's speech "Pariksha Pe Charcha" - (*January 2019*)
5. Awarded Bronze Medal on event of Engineer's Day to present chatbot model - (September 2022)
6. 3<sup>rd</sup> prize in Startup Ideathon of BPMCE startup cell, December 23
7. AIR 8532 in GATE'24 CS [First Attempt, Feb 2024]
8. Elite Silver Medal in NPTEL **Programming, Data Structures & Algorithms using Python** [Jan - Mar 2024]
9. 1<sup>st</sup> rank in 1<sup>st</sup> and 2<sup>nd</sup> year of B.Tech. in BRANCH CSE

## SKILLS & INTERESTS

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1. **Programming Languages**: Python, C, C++
2. **AI/ML Frameworks**: TensorFlow, PyTorch, Scikit-learn
3. **Data Tools**: Pandas, NumPy, Matplotlib, Seaborn, PowerBi, Excel
4. **Soft Skills**: Communication, Public Speaking, Event Management