Nilendu Adhikary

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EDUCATION

IIT (BHU) Varanasi	Aug 2023 – Present
IDD(B.tech +M.Tech) in Computer Science and Engineering	*Current GPA: 8.6/10.0*
WBBSE	2015 – 2021
Secondary School	*Score: 95%*
WBHSE	2021 – 2023
Senior Secondary School	*Score: 93.2%*

COURSEWORK

Data Structures, Algorithms, Operating Systems, Artificial Intelligence, Computer System Organization, IT Workshop I (Bash, Python), IT Workshop II (Django, SQL), Probability & Statistics, Discrete Mathematics

SKILLS

Languages: C/C++, Python, Dart, JavaScript, LaTeX
Tools: Git/GitHub, Unix Shell, VS Code, Cursor AI
Frameworks: ReactJS, NodeJS, Flutter, Flask, MongoDB, Firebase, Django

PROJECTS

Kids Magazine Android App   Jan 2025 – Present
- Developed a multilingual learning application that helps children learn the scripts of their native languages.
- Built a custom Hindi transliteration system and integrated Coqui TTS (for Bengali) and gTTS (for Hindi) with Flutter for dynamic speech synthesis.
- **Available on Google Play Store**
- **Skills and Tools:** Flutter, Python, Dart, PyTorch, Flask, Firebase.

Supervised by Prof. Sukomal Pal

Django Social Media Application   Sep 2024 – Dec 2024
- Developed a social media platform that supports image/text posts, likes, and friend connections.
- Designed an intuitive interface with responsive navigation for an enhanced user experience.
- **Skills and Tools:** Django, Python, Web Sockets, VS Code.

Supervised by Prof. Amrita Chaturvedi

E-commerce Website
- Developed a full-stack e-commerce platform featuring a responsive and intuitive user interface to boost customer engagement and improve sales conversion.
- Implemented dynamic product listings, advanced search filters, and secure checkout processes with real-time inventory updates.
- Integrated multiple payment gateways and ensured data security through robust backend API design; optimized performance and scalability using efficient database management and caching strategies.
- **Skills and Tools:** NodeJs, ReactJs, Web Sockets, Express, JavaScript, MongoDB, REST APIs, and Agile methodologies.

POSITIONS OF RESPONSIBILITY

Jagriti '25 | Ex-Core Member, Content Team   Sep 2024 – Mar 2025
Prepared reports, brochures, and all necessary content for Jagriti '25.

Codefest '25 | Executive, Marketing Team   Sep 2024 – Feb 2025
Assisted in raising sponsorships for the departmental fest through targeted marketing efforts.

ACHIEVEMENTS

Academic Achievements

- Achieved All India Rank 3321 in JEE Main 2023 among 1.2 million candidates.

- Secured All India Rank 252 in WBJEE 2023 among over 100,000 candidates.

- Qualified the IISER Aptitude Test (IAT) conducted by IISER Mohali.

- Earned All India Rank 62 in NEST 2023 (SX Stream) among more than 30,000 applicants.