MRINAL MAHAPATRA

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SUMMARY

Final-year Computer Science and Engineering student with strong expertise in Java, Python, and full-stack web development. Experienced in building scalable applications, working with databases, and applying data analytics and ML concepts. Passionate about problem-solving, innovation, and contributing to dynamic tech environments.

EDUCATION

Guru Nanak Institute Of Technology (Kolkata, India) **CGPA: 9.09/10.0**
Bachelor of Technology (B.Tech)
Computer Science and Engineering *(*2022 – 2026)

BBIT Public School (Kolkata, India) **Secondary: 97% | Higher Secondary: 91%**
Central Board of Secondary Education (CBSE)
Secondary, Higher Secondary (2010-2022)

EXPERIENCE

Member
Bit 2 Byte* · (Official Coding Club Of GNIT)** ***Sep 2024 – Present (1 year)
- Collaborated with team members to design and implement technical solutions.
- Enhanced problem-solving and coding skills through active participation in development tasks.

Member
GDG on Campus GNIT ***Sep 2022 – Present (3 years)***
- Engaged in technical activities and events under the Google Developer Group (GDG) initiative.
- Gained hands-on experience in Google Cloud Platform (GCP) and Cloud Computing.

SKILLS

- **Programming & Scripting:** C, C++, Java, Python
- **Frontend Development:** HTML5, CSS3, JavaScript, ReactJS, React Hooks
- **Backend Development:** NodeJS, ExpressJS, RESTful APIs
- **Data Science/Machine Learning:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn
- **Databases & Storage:** MySQL, MongoDB
- **Tools And Platforms:** Visual Studio Code, Jupyter Notebook, Google Colaboratory, IntelliJ IDE, Vercel, GitHub
- **Core CS Subjects:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOPS), Operating Systems (OS), Database Management System (DBMS), Computer Networks (CN)
- **Languages:** Fluent in English, Bengali; Conversational Proficiency in Hindi
- **Soft Skills:** Organization, Creativity, Communication, Leadership, Critical Thinking, Task Management, Multitasking
- **Miscellaneous:** MS Office, Windows, Linux/Unix Operating System

PROJECTS

Fake News Prediction System (Numpy | Pandas | Matplotlib | Scikit-Learn)
- Achieved 92% classification accuracy on a 10,000-article test set by leveraging TF-IDF vectorization and Logistic Regression, reducing false positives by 15%.
- Improved model precision by 10% through iterative feature engineering and hyperparameter tuning

NewsHub – Modern News App (ReactJS | Tailwind CSS | Vite | ShadCN UI)
- Reduced initial page load time by 30% via code-splitting and lazy-loading React components, driving a 25% increase in user session duration.
- Served an average of 500+ API requests per minute with 99.8% uptime, thanks to optimized asynchronous data fetching and error-handling logic.

House Price Prediction System (Numpy | Pandas | Matplotlib | Scikit-Learn)
- Delivered an RMSE of ₹4,500 on the test dataset, outperforming baseline linear regression by 18%.
- Increased R^2 score to 0.87 using XGBoost with feature selection, improving predictive reliability for 5,000+ property listings.

SanShop - Ecom Website (ReactJS | Tailwind CSS | Vite)
- Optimized page load times by 30% by leveraging React's component architecture and Tailwind CSS for lightweight, reusable styling.
- Enhanced UI consistency and scalability by increasing component reuse by 40%, reducing front-end codebase size by 15%, and accelerating feature development.

CERTIFICATIONS

Coursera (Data Structures Specialization) | NPTEL (AI, Soft Computing) | Forage (Data Analyst Simulations)