BIKI DEY

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Skills

- Python | Django | JavaScript | React | Bootstrap | HTML | CSS | SQL | NoSQL | Git | MongoDB
- Excel | Word | PowerPoint

Experience

Automation Developer	Hewlett Packard Enterprise	*Bengaluru, Karnataka*	05/2023 - Present

- Designed and developed a web crawler using **Python** for partner platform maintenance reducing manual audit headcount by 18 by automating checks on links, images & company logos, article freshness & content consistency with 98% accuracy.
- Spearheaded the design and deployment of scalable **Django APIs**, processing over 8,000 documents per month with 13 automated checks (spelling, copyright, fonts, color palette) at 95% accuracy, achieving a 4% reduction in validation headcount
- Developed and optimized interactive **UI components** using **React**, enhancing user experience for account/module selection, scheduling, and site targeting. Integrated SharePoint for data sharing and added a real-time 'fixer list' enhancing the user experience by providing immediate visibility into worker availability.
- Developed multiple projects, starting from requirement gathering to the final stages of testing and deployment. Implemented robust software solutions, engineered frontend and backend systems, and conducted thorough testing to ensure optimal performance.

Project Intern	Forsk Technologies	*Jaipur, Rajasthan*	04/2020 - 09/2020

- Engineered a comprehensive event management platform for coding courses with a team of four, leveraging **Python** for backend logic, **React** for intuitive frontend design, and **MySQL** for efficient data management.
- Integrated **RESTful APIs** within the platform to enable seamless communication between frontend and backend systems, empowering users with functionalities such as course registration, attendance tracking, and interactive engagement features.
- Fixed bugs from existing websites and implemented enhancements that significantly improved web functionality and speed.

Education

Bachelor of Technology	Regional Institute of Science and Technology	*Meghalaya*	08/2017 - 07/2021

- Computer Science and Engineering
  Extracurricular Activities : Played a pivotal role in organizing annual engineering festivals, overseeing event logistics, coordinating with sponsors, and managing volunteer teams.

Projects

Ecommerce website — Freelance Web Developer (Self-employed)

- Designed and built a complex e-commerce platform with a unique UI for both wholesale and retail customers, using **Django's MVC** framework, **Javascript**, and **Bootstrap** for a dynamic and responsive user interface.
- Implemented robust security measures, including **AES-256** encryption, **MFA**, and input validation to ensure the confidentiality and integrity of customer data.
- Integrated secure payment gateways like Razorpay, employing **TLS/SSL** and tokenization to adhere to **PCI DSS** compliance standards.

Data Analysis — Terrorism Analysis and Insights

- Spearheaded the development and deployment of a high-performance web application for real-time terrorism analysis, utilizing **Python, pandas, NumPy, React,** and **MySQL** to process and analyze over 1 million records with 94% data accuracy rate.
- Engineered intuitive and informative visualizations to extract actionable insights from vast amounts of attack data, enabling users to uncover crucial trends and patterns and make informed, data-driven decisions in counter-terrorism strategies.
- Collaborated closely with cross-functional teams to ensure seamless integration of data processing pipelines, visualization components, and backend infrastructure, resulting in a robust and scalable web application architecture capable of handling large datasets and delivering actionable insights in real-time.

Interests & Hobbies

Bodybuilding enthusiast, semi-professional lawn tennis player, painting, listening to music.