

# Bjorn Shurdha

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Web / Application Developer with experience building, deploying, and maintaining production web applications using React, TypeScript, and Node.js. Proven ability to own features end-to-end, work with real users, and deliver reliable software in production environments.

## Education

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### Boston College

BA , Computer Science

Chestnut Hill, MA

05/2025

- Courses: Data Structures & Algorithms, Machine Learning, Economics & Computation, Computer Systems

## Work Experience

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### Software Developer (Contract)

12/2025 - Present

- Design, develop, and deploy production web applications for small business clients using React, TypeScript, and Express.js.
- Own features end-to-end, including requirements gathering, implementation, deployment, bug fixes, and ongoing maintenance.
- Integrate third-party APIs, authentication, and contact systems while managing secure environment configurations.
- Deploy applications to cloud platforms (Vercel) and maintain uptime, performance, and usability for paying users.
- Use AI-assisted development tools to accelerate refactoring, debugging, and feature implementation across production web applications, while maintaining code quality and manual review standards.

## Projects

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### BST Jiu-Jitsu Website

08/2025

- Architected and launched a production, mobile-optimized business website using React and Next.js.
- Built responsive navigation and UI components using React Hooks and styled-components.
- Integrated email services with secure environment variable management and deployment workflows.

### NCAA March Madness Prediction Model

05/2025

- Collaborated on a four-person team to design features and build a reproducible ML pipeline.
- Tuned Random Forest models using cross-validation, improving prediction accuracy from 85.2% to 92.9%.
- Performed feature importance and error analysis to guide model improvements.

### The Battle Lab (Competitive Pokemon Team Analyzer)

03/2025

- Built a Python-based analytics system to evaluate competitive team composition using custom scoring algorithms.
- Processed structured JSON datasets to generate quantitative metrics and recommendations.
- Deployed a Flask backend with a React frontend to deliver real-time analysis and visualizations.

## Skills

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### Computer Languages:

Python, TypeScript, HTML, CSS, JavaScript, SQL

### Frameworks and Tools:

React, Node.js, Express.js, Flask, Next.js

### Platforms:

Git, Vercel, Linux

### Focus Areas:

Web Applications, APIs, Deployment, Production Systems