Startup Incubation & Innovation Centre, IIT Kanpur

Invites applications for "Young Professional Program (YPP) - IT"

Job Title	**Young Professional Program (YPP) - IT**
Job Code	SIIC-YPP-IT
Job Type	Contractual

		Location	Kanpur (Uttar Pradesh)
Job Description	We are looking for a skilled Backend Developer with strong expertise in Node.js/Express.js to join our IT team at SIIC, IIT Kanpur. The ideal candidate must have hands-on experience building scalable RESTful APIs, working with modern ORMs, and implementing best practices in backend architecture. You will be responsible for developing and maintaining robust web applications, optimizing database performance, and ensuring secure data handling using Prisma ORM and PostgreSQL/MySQL		
Responsibilities	• Architect and develop robust backend modules using Express.js framework following MVC (Model-View-Controller) principles. • Design and manage efficient database schemas, relationships, and migrations using Prisma ORM. • Write optimized SQL queries for data retrieval, reporting, and dashboard analytics. • Develop and maintain secure RESTful APIs with proper authentication (JWT/OAuth) and authorization mechanism. • Implement middleware for request validation, error handling, and logging. • Handle database migrations, seeding, and pagination for large datasets. • Ensure code quality through standardized coding practices, debugging, and testing.		
Travel	As and when required.		

Eligibility	- B.Tech/M.Tech/MCA or related field in Computer Science - Experience: 1.5 years. - Understanding of RESTful API design patterns. - Hands-on experience with ORMs. - Good knowledge in SQL (MySQL or PostgreSQL), including writing raw queries, joins, and indexing. - Experience in building and consuming REST APIs. - Knowledge of web security best practices (CORS, input validation, SQL injection prevention, XSS protection). - Proficiency in version control systems, specifically Git (GitHub/GitLab).

Desirable	- Knowledge of TypeScript for type-safe backend development - Experience with server deployment and management (Nginx, Docker) - Basic understanding of **frontend technologies** (React, Next.js) for better collaboration. - Certification related to DBMS. - Experience with unit testing.
Communication	**Apply now: https://forms.gle/pfYKsKjimmuLdyrp7** Note: Applications without job code won't be accepted